



Coupling Coordination Analysis of Green Finance on High-Quality Development of Regional Economy in T Province

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Abstract

Taking T province as an example, this paper briefly analyzes the demand characteristics of green finance in T province. Based on the significance of green finance to the high-quality development of the regional economy in T province, this paper uses the method of empirical analysis. This paper deeply studies the coupling and coordination of the regional economy in T province under the influence of green finance. And expounds the concrete measures for promoting the rapid development of the regional economy, It covers the establishment and improvement of the green financial service system, the improvement and upgrading of the environmental protection credit mechanism, and the improvement of relevant laws and regulations. The purpose is to strengthen the role of green finance in promoting regional economic development, in order to provide reference for relevant personnel.

Subject Areas

Finance, Socioeconomics

Keywords

Green Finance, Regional Economy, High-Quality Development, Coupling Coordination

1. Introduction

At the present stage, T province is in the critical stage of transformation and upgrading, vigorously promoting the green financial policy. It is conducive to solving the problems of shortage of funds and unreasonable allocation of resources during the development of regional industries. This will provide strong

support for the sustainable development of regional economy and promote the coordinated development of green finance and regional industries. It has become a reality to promote the high-quality and efficient development of regional economy in T province.

2. Demand Characteristics of Green Finance in T Province

Authoritative investigation and research show that the development level of green finance in T province is increasing year by year, as shown in **Table 1**. T province is one of the five financial reform and innovation pilot areas in China. Under the background of new economy, the development efficiency of green finance in T province is increasing. It has made remarkable achievements in many financial fields, such as green credit, green securities and so on. The demand characteristics of green finance in T province are mainly manifested in two aspects, one is diversification, and the other is a large gap [1].

2.1. Diversification

During the development of regional economy in T province, the demand for green finance has shown diversified characteristics. The development of regional industry has the characteristics of diversification, so the regional industry and green finance in T province are both at the demand level. It has a certain degree of coordination and adaptability. Regional industry refers to relying on the secondary industry, using advanced technological means and modern business concepts. Carry out all-round innovation and optimization, and on this basis, develop the primary industry and the secondary industry. Taking e-commerce as an example, in the new era, as one of the important regional industries in T province, e-commerce integrates the primary industry and the tertiary industry. In the process of regional economic development, the key factor that hinders the quality and efficiency of development is capital. Once there is a shortage of funds and difficulties in circulation, it will have a negative impact on the healthy development of regional industries. It can effectively alleviate the shortage of funds and promote the expansion of regional industrial scale and the transformation and upgrading of industries. Provide adequate financial guarantee. At the same time, the nature of regional industries is different, in the actual development process, the demand for green finance, there will be greater differences.

For example, taking the time of green finance as the research object, through in-depth research and analysis, we can see that. The main demand of the main body of the industry in the loan is a long time, in general, the loan time of forestry is about 5 years. The aquaculture industry can only obtain certain economic

Table 1. Development level of green finance in T province.

T province	2017	2018	2019	2020	2021
Development level of green finance	100.00	106.50	107.470	115.070	116.73

Source: China Regional Economic Database.

benefits in about three years, and the loan time of some regional industries is not fixed. Starting from the demand level of the main body of regional industry for green finance, Enterprises can be divided into ordinary enterprises, leading enterprises and township enterprises. There will be some differences in the demand for funds and the use time of different industrial entities. Small-scale industrial entities have less demand for production funds and can meet the requirements of simple reproduction. From the above content, we can see that various types of enterprises are the main body of regional economic development in T province. The demand for funds is characterized by diversification, which can be divided into three main forms of demand. That is, simple reproduction, small-scale production and large-scale production demand.

2.2. Large Gap

In the process of investigating the demand for green finance, the relevant departments of T Province found that by the end of 2021, more than 65% of the industries were in green finance. During the period of production and operation, there is a demand for loans. Taking regional industries as an example, during the development of such industries, the demand for loans is generally around 20000 yuan. However, T province has a higher level of economic development, the number of regional industries continues to increase, and the scale continues to expand. The total demand for loan funds in regional industries is as high as 600 billion yuan. However, as far as the actual situation is concerned, the total amount of loan funds invested by regional industrial institutions in T Province is about 300 billion yuan. It is only 50% of the total capital demand of regional industries, so the gap in loan funds is large. The high-quality development of the regional economy is facing the situation of lack of funds, and the amount of lending is difficult to meet the needs of the main producers of capital resources. It hinders the stable production and orderly operation of regional industries. Generally speaking, in order to meet the needs of efficient development of the regional economy, various financial institutions in T Province have adjusted the actual amount of lending. However, the province has a large population base, a large number of industries, and a large demand for green finance. There is a huge gap between supply and demand in green finance [2].

3. The Significance of Green Finance to the High Quality Development of Regional Economy in T Province

3.1. Optimizing the Structure of Financial Industry

In the new era, the traditional financial industry development system has been unable to meet the actual needs of T province's regional economy for high-quality development. In recent years, China's supply-side reform has been deepening, and in this context, the development model of regional economy needs to be continuously improved and upgraded. In order to adapt to the changing market environment. In order to promote the rapid development of

regional economy in T province, the operation structure and mode of green financial industry in China have been improved. With the support of modern business concepts, it has carried out comprehensive innovation and optimization. The internal structure of green finance has been adjusted and transformed, and a perfect and mature new financial development system has been formed. Under the influence of advanced development mechanisms, green finance has provided assistance for the optimization and transformation of industrial structures in the process of putting into operation. It further strengthens the development effect of the financial industry and promotes the flow of funds to the main body of the industry with low investment and high efficiency. It provides a solid material guarantee for the transformation and upgrading of the regional economy in T province. According to the EPS database, by the end of 2018, the green credit business of at least 25 commercial banks in China has been increasing year by year. By 2022, the amount of green credit in China will be more than 9.8 trillion Yuan, which is the most powerful affirmation of the value of green finance promotion. It is also an inevitable trend of regional economic development in the financial era.

3.2. Establishing China's International Image

As a developing country, China has an extremely urgent need to improve the quality and efficiency of development in the process of development. International image is an important indicator to measure the level of development of a country. There are many factors affecting a country's international image, such as economic level, environmental protection benefits and so on. Due to the urgent need for a higher level of economic development in China, in order to stimulate the vitality of economic development. At first, the extensive development model was vigorously extended to industrial production. All kinds of industrial enterprises have begun to produce efficiently, which has injected new vitality into the growth of the national economy, but there are also some negative effects. For example, the discharge of the three wastes is increasing, the allocation of resources is unreasonable, and the consumption of energy is large, which gives the sustainable development of the ecological environment. Brought a bad influence. Data from relevant departments in China show that China's carbon emissions reached 10 billion tons in 2016, but the promotion of sustainable development policies. As a result, carbon emissions have decreased year by year, and by the end of 2020, they have decreased by more than 15% compared with 2016. T province occupies an important position in the national economy. In the process of participating in environmental protection activities. The concept of green finance has been fully implemented, which has pointed out the direction for the steady development of various industrial enterprises. Promote the coordinated development of China's social economy and ecological environment protection, and gradually establish the image of a responsible big country. And then raise the overall development level of the national economy [3].

3.3. Promoting the Healthy Development of the Industry

Under the influence of the in-depth reform of the supply side, the financial institutions industry has changed its traditional operation mode in order to adapt to the development of the social economy. The concept of sustainable development has been actively infiltrated into the business of green bonds, green insurance and green funds. Promote the harmonious development of various green financial businesses to meet the actual needs of financial institutions for long-term and healthy development. Taking energy-saving and environmental protection projects as an example, the main body of industry in T province participates in environmental protection projects. The demand for funds is characterized by long-term and large amounts. Because of the large population of T province and the high economic level of the province, people have relatively high requirements for quality of life. People's demand for production and living resources is increasing day by day, which requires increasing the promotion of financial projects such as green credit. To realize the coordinated allocation of funds and alleviate the problem of uneven allocation of funds and resources in T province. It promotes the financial industry institutions to break away from the stage of debt management and promotes the healthy development of the industry and the high-quality development of the regional economy. Lay a good foundation. In addition, green finance is also conducive to innovating the green technology of industrial enterprises and standardizing the market environment of regional enterprises. See **Figure 1** for details.

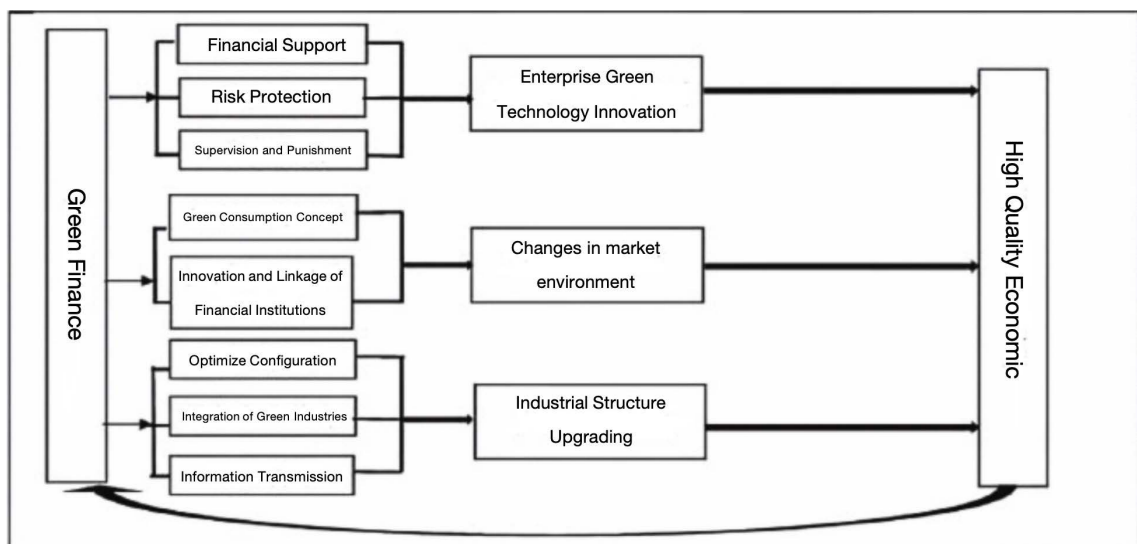


Figure 1. The role of green finance in promoting the high-quality development of the regional economy in T province.

4. Research on the Coupling Coordination of Green Finance to the High-Quality Development of Regional Economy —Taking T Province as an Example

This paper studies the coordination and coupling of green finance in the process

of high-quality development of regional economy in T province. Mainly based on the important components of regional economy, a systematic analysis is carried out. In the process of in-depth analysis and research, five factors affecting the quality of regional economic development are emphatically analyzed. In order to fully verify the important role of these five elements in the benefit of regional economic development, this paper adopts the means of empirical analysis. As follows:

4.1. Setting up Indicators

4.1.1. Rural Revitalization Indicators

When evaluating the effect of the Rural Revitalization Strategy in T Province, the formulation of evaluation indicators and criteria should be based on the perspective of overall consideration. Considering both factors, on the one hand, the quality of economic development and people's quality of life. On the other hand, the impact of regional economy on the ecological environment in the process of development should be effectively implemented. It breaks away from the traditional concept of pollution first and then treatment, and promotes the coordinated development of ecological environment and regional economy. The Rural Revitalization indicators built in this paper are composed of the following contents: Level I indicators: people's quality of life, the effect of ecological environment protection, and the countryside. Industrial development benefits; Level II indicators, GDP of the tertiary industry, average income of the rural population and per capita GDP, etc. [4].

4.1.2. Economic Development Indicators

At present, the regional economy of T province is in the stage of transition from high-speed development to medium-high-speed development. The development mode has also undergone some changes, and is changing from the scale and speed type to the quality and efficiency type. In order to promote the transformation and upgrading of the regional economy of T Province in a real sense, the core driving force of development has been transformed into innovation-driven. Rather than traditional low-cost human resources. The economic development indicators built in this paper are composed of the following contents: Level I indicators: regional economic growth level; Level II indicators include labor productivity, GDP growth rate and capital productivity.

4.1.3. Green Finance Indicators

In the process of building a green financial index system, we should focus on two aspects. On the one hand, the indicators should fully reflect the role of green finance in promoting the high-quality development of regional economy. On the other hand, the index should reflect the optimal allocation effect of capital on resources in the standardized securities market. In addition, we should pay more attention to carbon finance. The green financial indicators built in this paper are composed of the following contents: Level I indicators: green credit, green securities capital, carbon finance; Level II indicators: ESG 300 index, investment

amount of environmental protection projects of listed companies and trading volume of carbon emissions.

4.2. Access to Data

This paper mainly selects the relevant data of T province's high-quality regional economic development in 2018 - 2022. These include economic growth data, green financial data and so on. In the process of applying various data, the data units are not uniform. It is necessary to rely on the range method to carry out non-quantitative and toughened processing of relevant data information. The following should be combined:

- 1) Positive indicator:
$$\theta_{ij} = \frac{0.9 \times (X_{ij} - \min X_{ij})}{(\max X_{ij} - \min X_{ij}) + 0.1}$$
- 2) Negative indicator:
$$\theta_{ij} = \frac{0.9 \times (\max X_{ij} - X_{ij})}{(\max X_{ij} - \min X_{ij}) + 0.1}$$

In Formula 1) and Formula 2), X_{ij} refers to the original indicators of rural revitalization, green finance and economic development; In θ_{ij} , I represents the standardized value of the jth index of T province in the ith year; $\max X_{ij}$ represents the maximum value of the ith index, and $\min X_{ij}$ represents the minimum value. Positive indicators are just the opposite of negative indicators. The larger the value of positive indicators, the better, while the smaller the value of negative indicators, the better.

After using the above formula to implement non-quantitative processing of various index data, the entropy weight method is also needed. The specific weight of each index should be designed scientifically and reasonably to reduce the influence of external factors on the weight as much as possible. In order to avoid large weight deviation. In the process of calculating the weight of each index, it should be divided into the following four steps:

1) In the formula, P_{ij} refers to the proportion of the jth index in the development process of the ith year of T province in the sum of all years of the jth index.

$$P_{ij} = \frac{\theta_{ij}}{\sum_{i=1}^n \theta_{ij}}$$

2) In the formula, EJ refers to the specific entropy value of the jth index of province T; What m reaches the standard is the number of Level II indicators. In the process of calculating EJ, it should be noted that the entropy value should be ≥ 0 .

$$e_j = -k \sum_{i=1}^n p_{i=1} \ln p_{ij}$$

3) In this formula, $GJ \geq 0$ and ≤ 1 , while. The third step is closely related to the second step, where the larger the value of EJ, the weight of the index in the

whole couple coordination system is smaller.
$$g_j = \frac{(1 - e_j)}{(m - \sum_{j=1}^m e_j)} \quad \sum_{j=1}^m g_j = 1$$

4) In the formula, ω_j refers to the weight value of each index [5].
$$\omega_j = \frac{g_j}{\sum_{j=1}^m g_j}$$

Combining the above contents and relevant calculation formulas, the weights

of various indicators of regional economy in T province can be obtained, taking green finance as an example. The index weights of regional economic green finance in T province are shown in **Table 2**.

When studying the coupling degree and coordination degree between green finance and the high-quality development of regional economy in T province, the above index weights can be used. The model of coupling degree and coupling coordination degree is constructed.

4.3. Model Construction

After that acquired data is standardized, the proportion of each index is determined. To construct a model oriented by the regional economic development of T province, the following formula should be combined when calculating the construction data of the model:

Entropy is defined as, in this formula, the range of I is 1...N, that is, when $u_{ij} = 0$, then $\log u_{ij} = 0$. The coupling coordination entropy values of the following five factors are calculated by using the formula. Then, the coupling coordination of green finance to the high-quality development of regional economy in T province is analyzed. $H_i = -k \sum_{i=1}^n u_{ij} \log_b u_{ij}$

4.4. Empirical Analysis

4.4.1. Innovation Capability

When analyzing the impact of green finance on the development of regional economic innovation capability in T province, It is clear that T Province has paid more attention to R & D in recent years, that is, research and experiment. Green finance can provide a strong material basis for the smooth progress of scientific research projects in T province. See **Table 3** for details.

Table 2. Weights of regional economic green financial indicators in T province.

Level I indicators	Secondary indicators	Variable symbol	Weight
Green Finance	Green credit balance	X1	0.2157
	Investment in environmental protection projects of listed companies	X2	0.1669
Green Securities	Shanghai Environmental Protection Index	X3	0.2081
	ESG 300 Index	X4	0.2040
Carbon finance	Carbon emission trading volume	X5	0.2053

Source: China Regional Economic Database.

Table 3. Weighting results of indicators of green finance in innovation capability of T province.

1 Indicators	Proportion of R & D expenditure/R & D RMB 10,000 to GDP of T province	personnel	Turnover of technology market/100 million yuan, accounting for the total GDP of T province	Number of domestic patent applications granted
2 Weight	0.456	0.200	0.045	0.387

Source: China Regional Economic Database.

Through the observation and analysis of **Table 3**, we can see that under the influence of green finance. The turnover of technology market and the number of domestic patent applications in Z province are significantly higher than the domestic average level. Among them, the domestic average level is about 0.035, so it can reflect that the importance of research and experiments in Z province has increased significantly. The ability of innovation has been significantly developed.

4.4.2. Green Capability

When analyzing the impact of green finance on the development of regional economic green capacity in T province, Emphasis should be placed on the coverage rate of regional greening, the total amount of waste discharge and the amount of investment in environmental protection projects. The weighted entropy values of the three indexes are 0.301, 0.357 and 0.465 respectively. As shown in **Table 4**.

Through the observation and analysis of **Table 4**, we can see that in the green development of T province, green finance has a greater impact on the investment of environmental protection projects. The project accounts for the largest proportion of the GDP of T province, followed by the control of the total discharge of three wastes, and then the green coverage. In this regard, if T province wants to further enhance its green competitiveness, it is necessary to encourage enterprises to increase investment in environmental protection projects. Enterprises with a shortage of funds can obtain a certain amount of liquidity through green finance for investment in environmental protection projects. In order to strengthen the green competitiveness of T [6].

4.4.3. Coordination Capacity

When analyzing the impact of green finance on the development of regional economic coordination capacity in T province, we can use the relevant formula to calculate accurately. For T province, the factors affecting its coordinated development are reflected in two aspects, one is the consumption capacity of urban and rural residents. On the other hand, the urbanization rate, the weighting results of these two indicators are 0.783 and 0.417 respectively. Through the systematic analysis of these two data, we can see that the consumption capacity of urban and rural residents directly affects the quality of regional economic development in T province. It plays a decisive role, which is also the fundamental reason for its high weight. It is conducive to improving the consumption level of

Table 4. Weighting results of indicators of green finance in the green capacity of T province.

Serial number	Amount of investment	Weighted heavy entropy
1	Greening coverage	0.301
2	Total discharge of three wastes	0.357
3	Investment in environmental protection projects	0.465

Source: China Regional Economic Database.

urban and rural residents and contributing to the sustainable development of regional economy in T province.

4.4.4. Open Capacity

When analyzing the impact of green finance on the development of regional economic openness in T province, the following contents can be obtained, as shown in **Table 5**.

Through the analysis and research of **Table 5**, it is found that the industrial base of T Province is strong, so the number of foreign enterprises is large. The proportion of its import and export volume and the amount of foreign investment in GDP is increasing year by year. The practical value of green finance to the development of development capacity in T province.

4.4.5. Shared Capacity

When analyzing the impact of green finance on the development of regional economic sharing capacity in T province, The province's education expenditure accounted for the largest proportion of the total weight of 0.687, followed by the number of public library collections, accounting for the weight of 0.574. Under the new situation, sharing capacity is an important part of the regional economy of T province, in order to achieve high-quality economic development. It is necessary for T Province to make use of green finance, increase investment in public libraries, and invest sufficient funds in education. This will lay a solid foundation for the transformation and upgrading of regional economy in T province.

4.5. Result Analysis

After a comprehensive analysis of the above five elements, It can clarify the green ability, innovation ability, sharing ability, coordination ability and opening ability of green finance to the regional economy of T province. However, as far as the actual situation is concerned, the green financial industry in T Province is in the process of development. There are still many shortcomings and deficiencies, which lead to the failure of green finance to give full play to its due role and value. Therefore, it is necessary to formulate effective measures in combination with the coupling and coordination of green finance to the high-quality development of the regional economy in T province. Promote the stable development of the green financial industry and ensure the quality of regional economic development in T province. It can meet the actual needs of local government departments, further improve people's living standards and promote the growth of the national economy.

Table 5. Weighting results of indicators of green finance in coordination capacity of T province.

1	Indicators	Number of foreign enterprises	Proportion of import and export of GDP	The proportion of foreign investment in GDP
2	Weight	0.375	0.452	0.451

Source: China Regional Economic Database.

5. Innovative Measures for High-quality Development of Green Finance in T Province

5.1. Regulating the Green Financial Market

The non-standard market environment is the key reason for the low level of green finance development. There are many factors leading to the chaos of the green financial market, such as the lack of standardized green financial system. Therefore, it is necessary to establish and improve the refined and standardized system of green finance so as to make the market environment more standardized and orderly. In practice, we can start from the following aspects:

First, the implementation standards of green finance should be implemented. Relevant departments should rely on the core needs of the financial market and learn from the mature experience at home and abroad. A standardized green gold framework oriented by the high-quality development of regional economy in T Province has been established. It is necessary to divide the types of green industry in detail and design a strict degree of audit to ensure that the green financial market is standardized. To minimize the adverse effects of human factors on the audit of green financial projects [7].

Secondly, we should do the third-party evaluation and certification of green financial institutions. At this stage, there are still some problems, such as inconsistent certification standards and inconsistent evaluation models. The investment evaluation of green finance can not be compared horizontally. Therefore, it is necessary to formulate a unified third-party evaluation and certification standard to ensure the accuracy and authority of the evaluation results.

Thirdly, the implementation standards of green finance can be divided into two levels, one is the implementation standards at the national level. The second is the implementation standard at the regional level. When designing the implementation standard at the regional level, we should take into account the local development situation. It is also necessary to ensure that the regional implementation standards conform to the national standards, so as to avoid the provinces and municipalities in order to achieve certain political achievements. The relaxation of regional implementation standards has led to unfair competition in the green financial market in the region.

5.2. Improve the Financial Service Mechanism

In order to ensure the implementation effect of green finance, T province needs to improve and optimize the current financial service mechanism. In the process of establishing a green financial service system, we should focus on the service quality of relevant personnel. To ensure that it can provide high-quality services, improve the overall level of service, and promote the healthy development of green financial industry institutions. Provide strong talent support. At the same time, in the operation of green financial institutions, local government departments should give full play to the role of leadership and coordination. It will build bridges and links for the active communication and exchange between

green financial institutions and industrial entities. Further optimize the service process of financial institutions, and gradually create a perfect and high-quality service system. Under the background of the new normal regional economy, the green financial institutions in T province should also use the traditional single service means. It has been transformed into a diversified service mode, providing door-to-door service and other ways. Promote the quality of green finance in regional economic development to play the greatest role.

5.3. Building Regional Industrial Finance

In the specific implementation of green finance, we should optimize the design of the green finance threshold based on the reality of regional economy. To ensure that green finance can achieve the goal of large-scale coverage, so as to provide more comprehensive and high-quality green financial services for the main body of the industry. In the process of building regional industrial green finance, the threshold and service form of green finance. In order to meet the needs of regional industries in T province for production and operation. To ensure that the threshold of green finance is compatible with the development of various industries in the region. For example, there are some differences in the economic level and industrial development capacity of each region in T province. The traditional green financial service threshold and narrow service scope fail to take into account the development quality of regional industries. In this regard, when setting the threshold of green finance, on the one hand, we should improve the traditional threshold requirements. On the other hand, we should broaden the breadth and depth of the services of financial institutions, and flexibly adjust the threshold standards. It will infiltrate the people-oriented service concept into the regional industrial green finance. So as to build a humanized and practical regional industrial green finance [8].

5.4. Establishing a Credit System for Environmental Protection

In the process of building environmental protection credit mechanism, dynamic supervision should be carried out on the production and operation activities of enterprises. The main content of supervision and management is the flow of green financial funds to ensure that enterprises use this part of the funds for environmental protection projects. If it is directly used in non-environmental protection projects, penalties should be increased and relevant enterprises should be included in the blacklist. They are required not to apply for green environmental protection funds and technologies within a certain period of time, and combined with the use of green environmental protection funds. Evaluate the credit rating of enterprises and promote the transformation of enterprises to eco-environmental protection.

6. The Path of Green Finance to Promote High-Quality Development of Regional Economy

6.1. Increase Green Credit Input

In view of the low utilization efficiency of green financial resources, we should

vigorously develop green credit and solve the problem of serious waste of resources. To guide green financial institutions to provide higher level services to emerging industries. In the process of transformation and upgrading of industrial structure, the demand for green finance will increase day by day. Providing green financial services to related industries is conducive to reducing the difficulty of project financing. Enhance the orderliness of the development of green credit and green insurance, and control the risk probability of green finance in the minimum range. In the process of green credit development, financial institutions should give priority to green environmental protection projects in credit services. For projects with large pollutant emissions, the financing threshold should be raised appropriately.

6.2. Strengthen the Awareness of Green Finance

Thought is the forerunner of behavior, and the lack of awareness of green financial development is one of the important reasons why regional economy cannot achieve high-quality development. It has caused a lot of obstacles to the transformation and upgrading of regional industries. Therefore, scientific and effective measures should be taken to raise the awareness of green financial development. It is also a key measure to promote the stable development of the green financial industry. In actual operation, the following contents can be combined:

First, build a green financial credit rating system. Green finance involves a wide range of business, including green environmental protection, green resources and green transportation. Incorporate the specific performance of each project into the credit rating system, and then take strict assessment measures. Fair and objective assessment is carried out for each project, and the performance of financial institutions is evaluated based on the real and objective assessment results. In order to promote the development awareness of green finance.

Secondly, government departments should give full play to their guiding role and promote all sectors of society to correctly recognize the advantages and values of green finance. Change the public's inherent impression of financial products. In the process of publicizing green finance, we should convey the advantages of green finance to the development of the main body of the industry to the public. It advocates the establishment of green financial awareness and encourages the public to take the initiative to supervise green financial activities through relevant incentive policies. To ensure that the role of green finance in promoting regional economic development can be brought into full play.

6.3. Promoting Green Competitiveness

In the process of practice and exploration, green finance should not only release its vitality to help the development of the main body of the industry. It is also necessary to solve the problems of insufficient funds and energy waste during the production period of the main body of the industry. At the same time, we should organically combine green finance with the strategy of rural revitaliza-

tion. Rural areas should be linked up with counties and districts to enhance the implementation effectiveness and core competitiveness of green finance. Promote more targeted financial services to promote the development of rural areas. To lay the foundation for the further improvement of the green competitiveness of regional economy [9].

(Four) improve laws, regulations and policies.

Government departments should improve the existing laws, regulations and policies. Establish a government responsibility mechanism and service system oriented by green finance, with the support of laws and regulations. In order to develop the green financial industry, we should take certain risks and dig out the potential financial industry in depth. Promote more social capital to flow into the green industry, and promote the development of regional economy to a high level and high efficiency.

7. Conclusion

To sum up, with the continuous development of social economy, the role and value of green finance has become increasingly prominent. It has played a significant role in the green and high-quality development of social economy, and has contributed to the long-term and healthy development of regional economy. It has injected a steady stream of power. The innovation of this paper lies in the deep analysis of the relationship between green finance and regional economic development in a province. This paper puts forward effective measures to develop regional economy by using green finance, and the research results have theoretical reference and practical guiding significance. However, the existing measures and suggestions are in the process of landing. Influenced by the new environment, policies and other factors, there may be some deficiencies. Therefore, it needs to be improved and perfected in the follow-up study.

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