

Prospect of Scientific Research in University of Finance and Economics during the 14th Five-Year Plan—Taking S University as an Example

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ABSTRACT

Taking S University as an example, this paper summarizes a scientific research development model suitable for the promotion of financial colleges and universities through combing the achievements and experiences of the 13th Five-Year Plan period. Through the in-depth analysis of shortcomings and problems, put forward the countermeasures and methods in line with the actual development of financial colleges and universities.

Key words :14th Five-Year Plan Period. University of Finance and Economics. Development of Scientific Research

1. INTRODUCTION

With the important transformation of China's economy and society, the arrival of marketization, popularization and internationalization of higher education, the living environment of colleges and universities has undergone fundamental changes, entering an era of competition and change, opportunities and challenges are the same. The position of scientific research in university management is irreplaceable by any other thing and the highest idea in university management. As one of the three basic functions of modern colleges and universities, scientific research plays an important role in the development of colleges and universities. Studying the development strategy of scientific research in colleges and universities will provide effective ideas and directions for the rapid and sustainable development of scientific research in colleges and universities. [1]This not only has important practical significance to enhance the scientific research strength of colleges and universities, but also promotes the construction and development of national innovative system.

2. ACHIEVEMENTS AND EXPERIENCE OF SCIENTIFIC RESEARCH DEVELOPMENT OF S UNIVERSITIES DURING THE 13TH FIVE-YEAR PLAN

2.1. Number of National Projects Promoted to a New Level

2016-2020, S University has approved 197 national projects, Basically realize the 13th Five-Year Plan goal.

Among them ,118 projects of the National Social Science Fund (including 3 major projects of the National Social Science Fund), 79 projects of the National Natural Science Foundation of China (including 2 key projects of the National Natural Science Foundation of China), There has been a breakthrough in the total number and category of projects, To achieve a new situation of multi-domain flowering.30 projects of the National Social Science Foundation were approved in 2016, ranking first among the national universities of finance and economics .20 projects of the National Natural Science Foundation were approved in 2016, breaking a record high .1 project of the National Natural Science Foundation's Outstanding Youth Foundation was approved in 2017, achieving a zero breakthrough .1 key project of the National Natural Science Foundation was approved in the name of the S University in 2020, which achieved a historic breakthrough. and 1 project of the National Library of philosophical and social science achievements in 2020 was obtained to achieve a zero breakthrough in this kind of projects. In 2020, one general project of the art project of the National Social Science Fund was obtained, which achieved a breakthrough of zero in this kind of project, and in 2020, four projects of the late support of the National Social Science Fund were obtained, reaching the highest level in history.[2]

2.2. Increased volume and quality of domestic and international papers

2016-2020, S University's teaching and research staff published 31 papers in China's top journals such as Social Sciences, Economic Research and Managing the World. 773 papers published in C or more journals, Among them ,64 papers in authoritative A journals, 307 authoritative B journal papers.[3]

At the same time, S university teaching and research staff

in international authoritative journals published papers also achieved considerable growth. There were 444 international journal papers published, of which 128 were published JCR the first district, 124 JCR the second district, 68 JCR the third district and 33 in the fourth district. The number of high-level international journal papers has increased.

According to the Global Competitiveness Assessment Center of Economics Research of Shanghai University of Finance and Economics, published the 2019 Global ranking report on University Economics Research, S University ranks 10th in the top economic journals and 207th in all economic research machines.

2.3. Awards of scientific research achievements keep the top of municipal universities

2016-2020, S University teaching and research staff received a total of 24 provincial and ministerial awards. Among them, In the award of the 14th outstanding achievements in philosophy and social sciences in Beijing, S University won seven awards, Among them first prize 1, second prize 6. In the 2018 Beijing 15th Philosophy and Social Sciences Outstanding Achievement Award, S University won six awards, Among them first prize 1, second prize 5.

2.4. Increased transformation of scientific achievements

A number of research results of S University have been approved by the leaders of the Party and the state, which provides a scientific basis for the important decisions of the state and Beijing. From 2016 to 2020, the teaching and research staff of S University received 26 instructions from the central and provincial leaders, of which three were approved by Xi Jinping, general secretary of the CPC Central Committee, president of the state and chairman of the Central military Commission, including the Scientific Boundary between tax and fee on Environmental Protection tax Law. China Social Science Foundation published 2 research results of S University, and Beijing Social Science Foundation published 11. The transformation of scientific research results has been greatly enhanced.

2.5. Major breakthroughs in the construction of scientific research platforms

In 2017, the Research Institute for Economic and Social Development of mega-cities was approved by the standing Committee of the Beijing Municipal Committee of the Communist Party of China to become one of the first batch of 14 high-end think tanks in the capital. In January 2018, the National tax Law Research Base was

approved as Beijing philosophy and Social Sciences Research Base. The Decision Simulation Laboratory of Urban Agglomeration System Evolution and Sustainable Development was successfully approved as the key laboratory in Beijing. At the same time, the CBD development research base was appraised as excellent by the Beijing Planning Office, and the Beijing Economic and Social Development Policy Research Base was appraised as excellent by the Beijing Planning Office and selected as the index of China think tank. The megacities collaborative innovation center has achieved good results in the evaluation of the Municipal Education Commission.

3. DEFICIENCIES AND PROBLEMS OF SCIENTIFIC RESEARCH DEVELOPMENT OF S UNIVERSITIES DURING THE 13TH FIVE-YEAR PLAN

At the same time, we should also soberly realize that there is still a certain gap between the scientific research level of the school and the goal of the first-class and internationally famous university of finance and economics in China. The main problems are:

3.1. High-level scientific research projects and high-level scientific research achievements remain low and academic influence needs to be improved

Compared with the first-class universities of finance and economics in China, the number of high-level scientific research achievements of S universities is not large, and the high-level academic awards at the provincial and ministerial levels and above are on the low side. S the scientific research achievements of university teachers are also out of touch with the needs of the actual departments, lack of a long-term mechanism to participate in the consultation of the Party and the government, and the foundation of the construction of think tanks is relatively weak. At the same time, there are fewer high-level international academic works and academic papers, which far from meeting the requirements of international running schools in S universities, and can not meet the requirements of "going out" of scientific research put forward by the state.[4]

3.2. Mechanisms for participation in decision-making advice need to be innovated and capacity to transform results needs to be improved

For a long time, the progress of scientific research projects in S University has not been very ideal, the rate of closing items on schedule is on the low side, the

number of deferred projects is on the high side compared with the first-class University of Finance and Economics in China, and there is no major breakthrough in the transformation of scientific research achievements. S university scientific research projects and achievements are cited by others less frequently, reprint rate is not high, lack of academic research originality and cutting-edge.

3.3. The role of research institutions and platforms is inadequate and the capacity for collaborative innovation needs to be improved

Although there are many scientific research platforms in

S universities, they still need to be innovated in organizational form and management mode. The construction of new think tanks is slow. Most of the existing flexible scientific research organizations have not developed well.

4. RESEARCH DEVELOPMENT MODEL

We use SWOT methods to analyze the advantages (Strength), disadvantages (Weakness), opportunities (Opportunity) and threats (Threats) of scientific research in S universities (see Table 1).

Table 1 S Analysis SWOT scientific research in universities

Opportunity	Threats	Strength	Weakness
Social science and technology flourish	"985","211"College Competition	Young academic staff	Lack of high-energy talent
International frontier development	Rapid development of other financial institutions	High level of academic staff	Few academic and academic leaders
National science and technology strategic needs	Talent training surplus	Academic qualifications	Scientific research management
Beijing Economic Development Demand		Strong ability to innovate in scientific research	Weak operational capability of scientific research
Beijing Municipal Government Policy Promotion	Increased competition for scientific research	Academic exchanges and cooperation	Social service construction is not strong
		Research output	The Training Direction of Personnel
		Key experimental bases	Uncoordinated multidisciplinary development

Through SWOT analysis, it is found that the internal advantages and disadvantages of S universities are obvious, the construction of academic team is becoming more and more perfect and keeping pace with the times, but the research foundation is not solid enough and needs long-term cultivation.[5]

The symposium on philosophy and social science held by General Secretary Xi Jinping in 2016 put forward clear requirements for the prosperity and development of philosophy and social sciences, and the report of the Nineteenth National Congress in 2018 sounded the new era to speed up the construction of philosophy and social science with Chinese characteristics. How to write and speed up the construction of a grand chapter of philosophy and social science with Chinese characteristics is a major political task and arduous historical mission of the educational front at present and in the future. The emphasis of higher education on connotation construction, the trend of characteristic development and the management thought of classification guidance in colleges and universities require us to rethink our orientation and development strategy, and to further improve the quality of education and core competitiveness. Facing the reform of scientific and technological innovation policy and scientific research management system, S universities must actively plan the direction of scientific research development and the reform of management service

mode.

4.1. Research development objectives

Focusing on the goal of "first-class domestic and internationally renowned university of finance and economics ", the school should form a scientific research and social service system of" top-notch, research and innovation ", produce a number of original and iconic academic achievements, build a high-level think-tank of colleges and universities with Chinese characteristics, promote the construction of scientific research platform, and promote the scientific research and social service level of the school to enter the forefront of the university of finance and economics.

4.2. Key development indicators

Under the 14th Five-Year Plan ,200 projects were undertaken at the national level, with a total expenditure of 180 million yuan for scientific research projects .1500 papers were published in high-level journals (CSSCI and SCI/SSCI) and 30-40 scientific research awards were awarded at the provincial and ministerial levels.

5. THE MAIN IDEAS AND MEASURES OF SCIENTIFIC RESEARCH DEVELOPMENT OF UNIVERSITY OF FINANCE AND ECONOMICS IN THE 14TH FIVE-YEAR PLAN

5.1. Main ideas

5.1.1. Actively participate in high-level scientific research projects to improve the competitiveness of schools to undertake major projects

Encouraging school teaching and research personnel to actively participate in major scientific research programs and projects in the state and Beijing is an important measure to improve the level of scientific research in schools. In order to undertake major national projects, and around the major frontier issues in economic, political and social development, serve the major development strategies of the country and the capital, combine the characteristics and advantages of the school, and purposefully integrate the strength of the school, Set up targeted research groups and research teams. While undertaking the project, train and bring up a group of top academic talents and scientific and technological innovation team.

5.1.2. Strengthen research on major theoretical and practical issues and produce a number of landmark achievements

Adhere to the principle of combining theoretical research, countermeasure research and the actual needs of government departments, and build the school into a think tank and ideological bank to explore and solve the major problems faced by the country and Beijing in economic construction and social development. Teaching and research personnel are encouraged to pay close attention to the major theoretical and frontier issues in the economic construction and social development of the country and Beijing, and to strengthen theoretical research while widening the research and advisory services of countermeasures. A number of high-level international and national scientific research projects have contributed to the development and progress of the country and society. a qualitative leap in the level of scientific research achievements of the school's teaching and research staff has been achieved, and the results of the papers have been included in international well-known retrieval systems such as SCI、SSCI. academic papers have been published in top journals at home and abroad. high-level academic monographs have been published in well-known academic publishing

houses at home and abroad. and influential academic research awards have been won at home and abroad.

5.1.3. Serve the economic and social development needs of the state and Beijing, and enhance the function of social services

Focusing on the strategic needs of the Party and the state, focusing on the major problems in the major economic construction, political construction, cultural construction, social construction, as well as the construction of ecological civilization and party building, strengthening basic theory and applied research, and enhancing the ability to serve the national strategy and the economic circle of the capital. Give full play to the advantages of discipline groups, encourage scientific research personnel to establish close contact with actual government departments, closely follow up the major decisions of party committees and governments at all levels, and provide timely dynamic monitoring, real-time early warning, effect evaluation and information feedback. We will speed up the transformation of scientific and technological achievements in the fields of safety engineering and information engineering in schools, promote the integration of industry, education and research, encourage humanities and social sciences researchers to pay attention to reality, people's livelihood, solve practical problems for social development, and provide advisory services to government departments, including advisory reports, lectures on social services, leadership instructions and adoption by practical departments, so as to give full play to the role of think tanks and think tanks in colleges and universities.

5.1.4. Strengthen the construction of collaborative innovation centers and think tanks, build brand research bases and scientific and technological innovation platforms

In accordance with the general requirements of "international urgent need, world-class, advanced system and outstanding contribution ", giving full play to the academic advantages of the school, taking the major needs of national and regional development as the guide, taking the undertaking and completion of major innovative tasks as the goal, and continuing to consolidate the construction of the platform for the development of characteristic bases. The school will integrate forces, adjust and consolidate a number of scientific research platforms, and gradually form a high-end think tank that provides major strategic advice and services for the economic and social development of the country and the capital, and strive to be approved as a national "2011 collaborative innovation center ".

5.2 Key initiatives

5.2.1. Strengthen the organization work, stabilize the number of project declaration, improve the project winning rate

We will step up incentives, stabilize the number of applications for high-level projects, focus on strengthening the mobilization and organization of major and key projects at the national level, start early and mobilize extensively around the declaration guidelines, and do a good job in reporting guidance and organizing services. Do a good job of provincial and ministerial level projects, improve understanding, explore the construction of early warning mechanism, do a good job of service and supervision. Continuously improve the quantity and quality of project declaration.

5.2.2. Increase incentives to improve the quantity and quality of scientific research achievements

Attach importance to the quality of scientific research results, and strive to create academic boutique. On the one hand, we should set up the consciousness of innovative scientific research and not rely on the existing research. on the other hand, we should be diligent in thinking and doing innovative scientific research projects. Do a good job of academic accumulation, strive to produce more and better scientific research results.

5.2.3. Strengthening the Construction of Scientific Research System and Optimizing the Soft Environment of Scientific Research

The overall planning of school career development and the new stage of scientific research development put forward new requirements to the management system. We will further innovate and perfect the scientific research management system and create a good scientific research atmosphere and soft environment.

5.2.4. Strengthen the guidance and investment in key scientific research fields, highlight the characteristics of scientific research in schools

Guided by the major needs of the state and Beijing, and taking into account the trends of scientific research development at home and abroad, and combining the discipline characteristics and advantages of the school, it is proposed to strengthen the guidance and investment in key scientific research fields such as Belt and Road, digital finance, scientific and technological innovation,

modern finance, human resources, regional economic and industrial development, globalization and national governance, aging and people's livelihood services, culture and national soft power, natural literature and ecological civilization, and increase the cultivation of major projects to highlight the characteristics of scientific research in the school.

5.2.5. Strengthening Research Support Database Construction

In the face of the new situation in the era of big data, scientific research data has become the basic resource of modern scientific research activities and an important support for the production of high level scientific research results. The demand for basic data in scientific research is more urgent. According to the advantages of school discipline and scientific research, it is proposed to strengthen the database construction in key scientific research fields.

6. CONCLUSION

Scientific research should focus on the forefront of scientific development in the world, aim at the national strategy and the development needs of the capital, lay out disciplines for key issues in the fields of economy, environment, population, finance, etc., focus on the construction of core technical capability platforms/facilities, organize and implement major research programs, and produce a batch of high-quality articles and achievements to be reported, providing powerful scientific and technological supply for China's innovative development strategy

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