

Comprehensively Improve our Ability to Innovate in Sports Science and Technology to Help Build China Into a Strong Sports Country

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Abstract: The construction of sports system in China is more and more perfect, in which the power assistance of sports science and technology innovation can be said to be an important part, and the construction of sports and the power of sports and the power of sports scientific and technological innovation can be improved, therefore the development of the power of sports power can be discussed extensively in the all-round way of enhancing the innovation of sports science and technology. It is necessary to promote that innovation of sport science and technology comprehensively, to strengthen the construction of sport power build to realize the innovation of institutional mechanism and to increase the investment in sports science and technology talents and sports science and technology fund.

Keywords: Sports; Technological innovation ability; Building a strong sports country

1. Introduction

Since ancient times, the most powerful driving force for the development of human society is the power of scientific and technological innovation [1]. In ancient times, the technological inventions and empirical disciplines in Chinese, ancient Egyptian, ancient Greek and other civilizations represented the scientific and technological innovations of this period, which could be said to be the initial development of human civilization. Modern scientific and technological innovation is represented by two industrial revolutions and three theories of natural science. Modern scientific and technological innovation drives the great development of human social productivity once again. In today's society, Marine development technology, space development technology, new energy technology, new material technology, biotechnology, information technology and so on have been rapidly emerging, which is also a symbol of the human society from the industrial civilization era into the high-tech information era [2]. In the whole world, the development pattern of economic society, way of life, mode of production and productivity is undergoing very profound changes. As the primary productive force for national development, science and technology play a more and more important role in promoting national development. Since the founding of new China, especially after the implementation of reform and opening up, China's science and technology has achieved leapfrog development, science and technology innovation has become

China's social development and economic development of the biggest driving force. After entered the stage of the development of the new century, our country to formulate and implement the "national medium and long-term program for scientific and technological development, the strategy of the development of science and technology in the new period for the clear, i.e., according to the independent innovation as the base point of the development of science and technology, the introduction of digestion, absorption and innovation, integrated innovation, and comprehensively promote original innovation, to speed up the construction of an innovative country. During the eleventh five-year plan period, China persisted in promoting the sports science and technology innovation cause, which made the sports science and technology cause achieve great development.

2. Innovate Systems and Mechanisms

Science and technology are the primary productive forces in China, so it is necessary to give full play to the promoting effect of sports science and technology innovation on the development of sports in China [3]. During the eleventh five-year plan period, the core policy of sports science and technology management of the general administration of sport of China has always been to put the ability of solving practical problems and meeting first-line needs of sports science and technology work in the first place. We should vigorously promote and attach great importance to the close combination of sports train-

ing practice and sports science and technology, and constantly improve the power of sports science and technology on sports performance. To improve China's sports science and technology innovation ability, the first step is

to realize continuous innovation of system and mechanism [4]. Continuous innovation of the system and mechanism involves many aspects, and its composition is shown in figure 1.

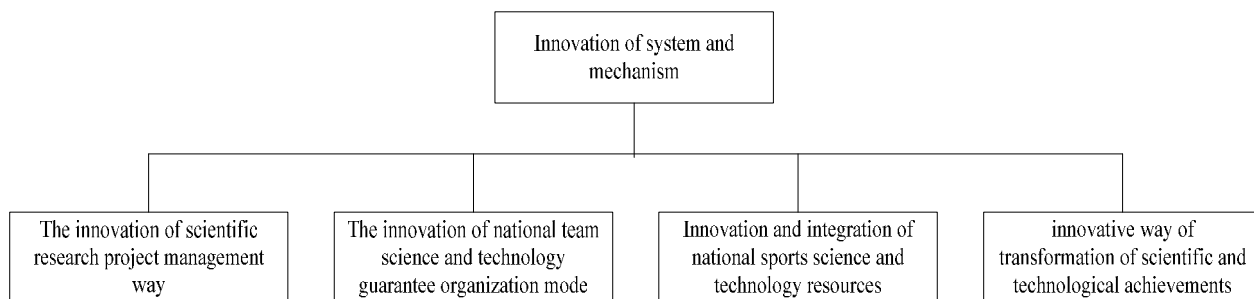


Figure 1. Structure of institutional innovation

The innovation of scientific research project management means: must be based on sports training the real needs of practice to determine the national team sports research topics; the project approval of national team sports scientific research must ensure the participation of national team coaches and be organized by the sports project management agency of the general administration of sport of China [5]. And international security organization of science and technology innovation is to point to in order to solve the personnel to solve the problem of sports science and technology innovation ability is not strong, scattered forces, single discipline and sports technology demand diversity, multi-disciplinary comprehensive security requirements gradually improve, the national science and technology of science and technology guarantee the constant enlargement of the scale and demand contradiction, during the period of "11th five-year plan", our country through integration of more than one thousand to participate in the Olympic project team of researchers, will all professional medical personnel combined with scientific research personnel, formed a scientific research team of more than 30 national large, whole process, comprehensive and multidisciplinary science and technology service and scientific research; Established by hundreds of experts dedicated to injury prevention and control in each field, psychological adjustment, altitude training, nutrition, sports training monitoring of sports technology expert group, according to the actual needs of China's national team, timely coordination and mobilize the sports science and technology in the organization experts to the scene consultation, inspection, consultation and research guidance [6].

The innovation and integration of national sports science and technology resources means that, under the guidance of scientific research projects and national policies, various scientific and technological forces in China are ga-

thered in the work of sports science and technology [7]. Special key technology as the "national fitness" and "high-tech Olympics" special for interface, attracted a national-level units of science and technology including China disease control center, Chinese academy of sciences, Beijing university, tsinghua university to participate in sports science and technology research, through the sports system to introduce scientific and technological strength, rich the composition of the sports science and technology team in China. Refers to the way of transformation of scientific and technological achievements of innovation of sports science and technology innovation work to actively expand and promote the sports science and technology innovation work of the transformation of scientific and technological achievements in real time and apply it to our country sports system, the current our country has set up the first sports science and technology demonstration park, location is located in the Shanghai sports institute, the success of building the platform of scientific and technological achievements into sports. The construction of the platform for transforming sports scientific and technological achievements has also been actively supported by the local government and the municipal government. The sports science and technology demonstration garden of the total registered capital of 200 million above, into the enterprise total more than one hundreds, building area of twenty thousand square meters, and the sports science and technology demonstration garden in leading sports science and technology of emerging industries, college students entrepreneurial innovation practice and production-teaching-research combination, sports science and technology independent innovation, etc., has played a positive role in leading, and the physical platform of scientific and technological achievements of comprehensive effect is shown in figure 2.

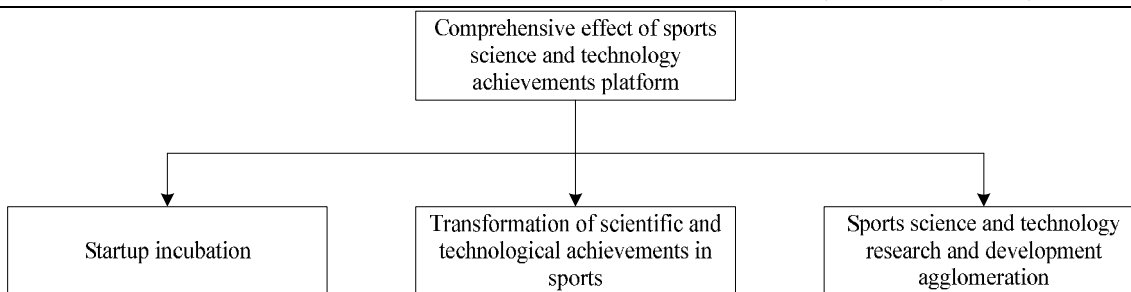


Figure 2. Comprehensive influence effect of sports science and technology achievements platform

3. Increase the Investment of Talents and Science and Technology Funds

Our country have been actively formulate various guiding policy of promoting sports science and technology innovation ability and increase gradually in sports science and technology of funding channels, and actively integrate the sports science and technology resources to build a support, the whole people to participate in an able to mobilize the whole society and wider platform for the sports science and technology, so as to achieve the goal of power sports power construction. In the investment of sports science and technology funds, the state general administration of finance has increased the investment of sports science and technology research funds year by year around the national fitness work and the national team training work. In addition, for the first time, we have successfully applied for 3 national sports science and technology support projects, 3 basic sports science and technology special projects from the ministry of science and technology of China, and established 8 national sports research projects. In terms of the investment of sports science and technology research funds, both financial and human resources, our country is refreshing the historical high year by year.

In terms of the investment in sports science and technology talents, China also strengthens the investment in scientific research funds and personnel training funds, which provides a good foundation for the training and renewal of sports science and technology research teams in China. For example our country host the Olympic Games in Beijing, took part in the sports science and technology of the Olympic Games security work of the relevant personnel from various sports technology units, set up more than three hundred special scientific research subject, has invested thousands of related sports scientific and technological personnel, the number of people involved in compared with the last cycle has improved, at the same time, the related personnel training funds into the last cycle also implements the rocket type growth. In terms of the input of sports science and technology conditions, China has also strengthened the input of relevant

funds, and actively improved the conditions of sports scientific research and strengthened the policy guidance of sports science and technology innovation. In addition, the plateau training base directly under the general administration of sport of China and the sports scientific research equipment of 8 key training bases have been comprehensively upgraded. In addition, the national team has been equipped with portable sports scientific research equipment and has established the sports science and technology information sharing platform exclusive to the national team. In addition, during the eleventh five-year plan period, China also carried out the construction of key sports science and technology laboratories. At present, China has established dozens of key sports science and technology laboratories all over the country. Through policy guidance and scientific research project support, sports science and technology related units have increased their investment in sports research.

In addition to the innovation of the system and mechanism and to enhance investment in talent and technology funds, you also need to strengthen the construction of the Chinese society for the study of sports science and technology, the full support of sports in China science and technology innovation work, and through the sports science and technology innovation to guide the sports training practice of innovation, to provide scientific sports training theory and the full range of technical support. And strengthen the popularization and scientific research of national fitness, improve the practical strength and research level of national fitness, and comprehensively enhance China's sports science and technology innovation ability, highlighting the leading role of sports science and technology innovation ability in building a strong sports country.

4. Conclusion

Only improve sports science and technology innovation ability, in sports science and technology innovation as the guide, scientific sports training level of ascension, and comprehensively deepen the sports and understanding and grasp of the rules can drive the whole sports power in China has increased, to comprehensively promote sports

science and technology innovation ability, the purpose of the construction of sports power.

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