Improving the Training System of Qualified Specialists in the Field of Physical Education and Sports

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Abstract: The article deals with the issues of regulating relations between the spheres of "science, education and production" in improving the system of training qualified specialists in the field of physical culture and sports, and creating a "cluster" system as an organization for monitoring the effectiveness of the work carried out, and also developed proposals and recommendations for further.

Key words: physical culture, sport, education, system, criterion, cluster, scientific инновации, коллаборация, school, supply and demand, development, integration, science, innovation, collaboration.

Innovations created on the basis of science are of great importance in the development of every field, which leads to development and growth of the thinking, skills, and attitudes of specialists working in the field. Stagnation and lagging behind the competition are observed in fields without science. This situation has been proven many times throughout the history of mankind.

In recent years, a lot of work has been done to introduce innovations to all aspects of society and economic sectors. Innovations in various directions are being introduced into the education system and effective results are being achieved. This creates new methods of teaching, new educational technologies, and serves to develop a strongly interconnected system between "science, education and production".

In order to create a strong interconnected system between science, education and production, cooperation with system specialists among each sub-system, respect for mutual interests, cooperation in identifying problems, and the introduction of innovations, innovative methods by organizing scientific and research work within the identified problems and product development are important. It is necessary to form strong connections between these systems, uniting them towards one goal and ensuring their effective functioning. Today, the provision of this task through the cluster system is becoming popular. By applying the cluster system to each industry, the possibility of developing, updating the industry, using new efficient and cost-effective technologies, and producing competitive products is increasing. That is why it is necessary to develop the cluster system in our country.

In several dictionaries, the concept of cluster is defined as follows: "Cluster (English cluster-Klaster, brush, svar) is a combination of several heterogeneous elements, which can be considered as an independent unit with certain characteristics" [1]. Also, "a cluster is an association of several identical elements that can be considered as an independent unit with certain characteristics" [2]. Based on these definitions, it is possible to consider the cluster system as a method of cooperation as its main element. Based on these views, the following exemplary words of the philosopher Confucius can be cited: "There is a story about the
philosopher Confucius: he went to a fisherman when he was young. The fisherman caught him with his fish. Then he looked at the fisherman and said, "If you want to help me, don't give me fish, but teach me how to catch." Then I will feed my family with this craft, and if I have more, I will give to my neighbors, and if I have more, I will give to the people" [3].

Through this narration related to the great philosopher, one can see an educational lesson about the difficulty of achieving a sustainable result without a thorough study of each event and process and mastering the process from beginning to end. Of course, a person cannot become a mature specialist without fully learning the secrets of his profession, without having sufficient qualifications. He becomes a mature professional when he fully master the processes related to his profession, when he connects with the experts in his field and when he fully absorbs their experience. At the same time, it contributes to the development of the field in which it operates [4].

In general, in our country, a number of scientists are conducting scientific research work on the development of the cluster system (M.A. Rakhmatov, B.Z. Zaripov, etc.). Also in the field of physical education and sports R.D. Khalmukhamedov, A.A. Taniberdiev have been announcing the results of their scientific research on the development of a cluster module for physical education classes in higher education institutions. However, in the field of physical education and variety, scientific researches have not been carried out on the organization of scientific research works, the organization of a cluster system, including the issues of systematization, and the improvement of the training system of qualified specialists in recent years [5].

Organization of a cluster system that serves to develop cooperative relations between the fields of science, education, and production in the field of physical education and sports, and to substantiate the existence of qualification criteria that serve to ensure the effectiveness of work in this direction among qualified specialists in the field [6].

To determine the effectiveness of the work carried out on the training of qualified specialists in the field of physical education and sports within the framework of modern students.

Pedagogical observations, questionnaires were used. The issues of how to train specialists with the necessary knowledge, skills and qualifications for the development of cooperation between the fields of science, education and production in the field of physical education and sports were studied through sociological research and the opinions of mature experts in the field were analyzed. Contingent of experiment participants. 20 qualified specialists participated in the experiment.

As we know, new modern technologies are entering every field of production. They are gaining importance in producing more and more competitive products in a short period of time while improving the quality of work. The cluster system has shown its effectiveness in managing and further developing these processes. Working in the cluster system gives the cluster team the opportunity to expand the company's activities, increase the variety of products and further improve their quality. All this indicates that the cluster is a benchmark for integration, innovation and economic growth. Because acting in one space, organizing one's activities and cooperating with institutions and experts in this direction, it is effective in creating new types of innovations, applying them and putting them into practice, as well as creating an opportunity to absorb the innovations and innovations that are being created.

In our country and in the world, the interest in the field of physical education and sports is increasing more and more. The proper use of physical education has been shown to be effective in maintaining health, especially during a pandemic. Today, the influx of representatives of various fields is increasing in order to gain income from the field of physical education and sports. Even large investments are being made. This led to the expansion of the field of physical education and sports, and the emergence of the need for mutual cooperation of different fields. From now on, the need to study the problems in this area and its branches, to regulate the relations in this situation will increase more and more. Because the entry of various fields into
the field of physical education and sports, the desire to use physical education and sports in the leisure time, and the growing interest in sports competitions are increasing the demand for innovative developments in the field. In the course of physical training and sports training, the use of various innovative sports equipment, the use of digital technologies in the organization of competitions, the formation of skills in the use of innovative developments in the development of one's physical condition, and the habituation to their use are being observed. Also, the increasing individualization of people serves to increase the demand for sports equipment used in this field. In this case, the implementation of the cluster system will be effective.

The application of the cluster system to the field of physical education and sports unites science, education and production relations in the field, and forms a reliable relationship between scientists, trainers and manufacturers to work towards a common goal. It also brings experts from different fields to understand each other, develop innovative approaches, and unite scientists from different fields in the study of problems in the field of physical education and sports. accelerates.

As a result of the creation of a cluster system in the field of physical education and sports, quality control of the developments created in the field of physical education and sports will be ensured, and the efficiency of introducing innovations in the field of physical education and sports will increase.

This has a positive effect not only on the development of innovative approaches in the field of physical education and sports, on the formation of a generation of scientists who have a new vision, which is considered the basis of scientific development, and on the development of scientific schools. Collaborative work among scientists, writing scientific articles, collective monographs, scientific research work, and project implementation skills. It also has a positive effect on the development of scientific schools in the field. We know that in the educational system of our country special attention is paid to the development of the tradition of "master-disciple" and the development of scientific schools based on this system serves the development of the system of values and relations characteristic of the scientific profession. In this regard, the establishment of scientific schools in the field of physical education and sports, the establishment of scientific schools for professors with high scientific potential and level, who have been working in a certain direction of physical education and sports for many years, and defining their own field, will serve the growth of network directions in the field. The scientists who created their scientific schools and their followers play an important role in laying the foundation for new trends in the field of physical education and sports, and in making a worthy contribution to the development of science and education in our country. This creates the need to organize and develop scientific schools of doctors of science in the field of physical education and sports in a certain direction of the field of physical education and sports.

The results of modern development show that the representatives of each field should have the skills, qualifications and experiences that meet the requirements of the time. In particular, mastering the innovations in the field of science, being able to use the results of research, and having the skills to work cooperatively in the study of problems in the field of science are the necessary criteria for modern mature specialists [7]. In particular, it is necessary for qualified specialists in the field of physical education and sports to have the ability to study problems in the field of science in cooperation and the will to strictly adhere to scientific ethics, which will be effective in studying a number of problems in the field of science and preventing harmful scientific developments and tools entering the field.

We have organized sociological research in order to study the level of significance of these criteria. 20 leading specialists in the field of physical education and sports participated in our study. They were asked "What knowledge and skills should qualified specialists in the field of physical education and sports have?" We asked a question. 75% of the qualified experts who participated in our research - "must have the qualifications to create a scientific school in the field of physical education and sports, choose a specific direction of the field or science, and
organize scientific research in this direction", 79% "Collaborate problems in several fields must have the ability to learn", 87% "must have the experience of mastering and applying the results of scientific research activities organized in the field of physical education and sports", and 97% "must have the will to strictly adhere to scientific ethics" calculated. The results of the study showed the need to develop the following knowledge, skills and abilities in future specialists in the improvement of training processes of qualified specialists in the field of physical education and sports. We listed these knowledge, qualifications and skills as modern criteria in the following order:

- Having the will to strictly adhere to scientific ethics.
- To acquire the experience of mastering the results of scientific and research work organized in the field of physical education and sports and applying them in practice [8].
- Formation of skills for joint study of problems in several fields - collaboration [9].
- Creation of a scientific school in the field of physical education and sports, choosing a specific direction of the field or science, and organizing scientific research works in this direction [10].

Summary. International experience has shown the formation of strong scientists in the fields of science with the increase of scientists. The formation of a generation of mature specialists in the field of physical education and sports also ensures the succession between scientists and mature specialists. That is, the young generation will absorb the created knowledge and theories from the older generation and contribute to the development of the mechanism of delivery to the next generation. In this process, the cluster system acts as a hub. Based on the knowledge and inventions created in the field, it develops methodological scientific theories, modern methods and determines efficiency.

The establishment of a cluster system in the field of physical education and sports serves to develop scientifically based recommendations aimed at increasing the interest of the people in the use of physical education and sports in the restoration of health, and to increase the literacy, knowledge, skills and qualifications of the people in restoring their health through physical education and sports. The use of physical education and sports, to what extent they give loads, leads to the creation of a methodology for introducing their children to sports. Because we know that every nation has its values, lifestyle and traditions. Therefore, taking into account the climatic conditions of the existing region and the culture of the people, it is necessary to organize works to improve the health of the population through physical education and sports.

Qualified specialists in the field of physical education and sports as requirements of modern development: have the will to strictly adhere to scientific ethics, create a scientific school in the field of physical education and sports, choose a specific direction of the field or science and organize scientific research in this direction, several areas It is important for the development of the field to develop the skills of cooperative learning of problems in the field of sports, to have the experience of using the results of scientific and research activities organized in the field of physical education and sports.

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