

**EXPERT ASSESSMENT OF THE NEED TO IMPROVE THE  
MANAGEMENT OF PHYSICAL CULTURE AND SPORTS AT THE LOCAL  
LEVEL**

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**Purpose:** to determine an expert assessment of the need to improve the management of physical culture and sports at the local level, namely in the regions and territorial communities.

**Material and methods:** expert survey by questioning in digital and correspondence format. To create an expert group, scientific and pedagogical workers were interviewed. 38 correctly completed questionnaires were received, which were filled in by 38 scientists (doctors of sciences, professors) from specialized institutions of higher education and faculties of physical education.

**Results:** an expert assessment was given by the statement included in the questionnaire, aimed at establishing the attitude of leading scientists to improving the management of physical culture and sports at the local level. On all claims, the experts expressed support for improving the management and use of research results. In this case, it is recommended to use the achievements of sports science as an important trigger for increasing the level of management of sports development.

**Conclusions:** 97,4% (of which 81,6% completely agree and 15,4% rather agree) of the experts expressed that the level of management significantly determines the state of sports development and the quality of physical culture and sports services at the local level. 89,5% (50% and 39,5%) of experts agree with the statement that the level of management of sports development at the local level is insufficient. 95,7%

(65,8% and 28,9%) of the respondents agree that there are significant reserves for improving the management of sports development at the local level. 100% of respondents (84,2% and 15,8%) support the opinion that sports science should be involved in improving the management of sports development at the regional and community level. 100% (81,5% and 18,4%) believe that the introduction of high-quality scientific developments into practice will improve the management of sports in the regions. As you can see, the opinion that the management of sports development at the local level requires significant changes and qualitative improvement was fully confirmed by experts.

**Keywords:** expert assessment, management, development of physical culture and sports at the local level, the use of research results.

## **Introduction**

In recent years, the attention of scientists has already turned to the management of physical culture and sports at the local level. Thus, N. F. Vlasova studied the regional specifics of the social management of physical culture and sports on the example of the Zaporozhye region[5]. V. A. Bazenko considered the mechanism for supporting the development of physical culture and sports in the conditions of decentralization [1]. V. V. Prikhodko focused on the development of sports in the conditions of united territorial communities [6]. T. Dorofieieva considered the problem of service quality as a criterion for the activity of physical culture and sports organizations [10], as well as the relationship between the quality of physical culture and sports services and the state of the organization providing services [11]. In addition, S. M. Bondarenko and A. A. Kasich drew attention to the concept of total quality management (TQM) in local governments [3].

The problem of managing physical culture and sports at the local level was studied by specialists abroad. Referring to I. Alaj, F. Arifi & Z. Metaj, who studied the structural characteristics of sports organizations in the Republic of Kosovo [7]. A. Carmeli drew attention to the features of the behavioral integration of the senior

management team and the effectiveness of organizations serving individuals involved in physical culture and sports [8]. E. Chojnacka considered public-private partnerships as a source of financing for sports and recreation infrastructure in Poland [9]. M. Gobikas & V. Čingienė studied the public-private partnership for the development of youth sports from the point of view of local government [12]. The features of the maintenance by changes of objects built under the program "My Boysko ORLIK 2012" are revealed [13].

Meanwhile, there is a need for an objective assessment of the state of physical culture and sports management at the local level in Ukraine, which can draw attention to this area of activity in this area in order to improve its condition. Starting our research, it was assumed that the management of sports development at the local level requires significant changes and qualitative improvement.

**Purpose of the study** is to determine an expert assessment of the need to improve the management of physical culture and sports at the local level, namely in the regions and at the same time in the formed territorial communities.

### **Material and Methods of research**

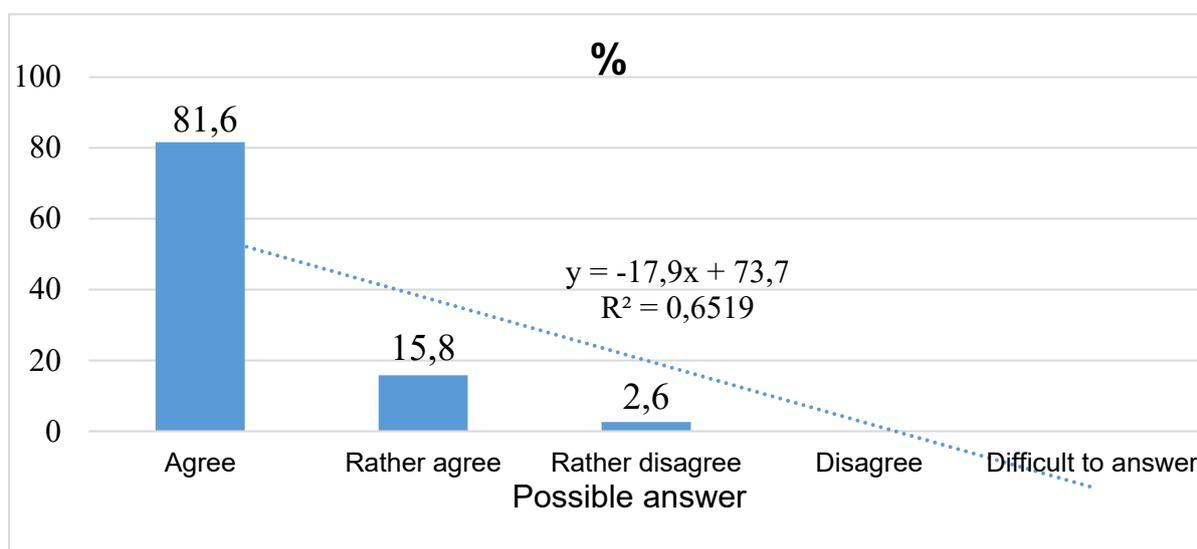
An expert survey was applied using a questionnaire in digital and correspondence format. To create an expert group, scientific and pedagogical workers of higher education institutions were interviewed. 38 correctly completed questionnaires were received, which were filled in by 38 scientists (doctors of science, professors) from specialized institutions of higher education and faculties of physical education.

Specialized program SPSS for Windows 22.0 for processing information collected during the survey [4], methods of mathematical statistics, extrapolation, modeling, search and normative forecasting were used. Quantitative methods are applied after empirical data are translated into the language of numbers. The prerequisite and the beginning of the introduction of quantitative methods in sociological research is measurement. Usually, measurement is understood as "a cognitive process in which the ratio of one (measured) quantity to another

homogeneous quantity, taken as a certain unit of measurement” is determined. [4, P. 8].

### Results of the research

Regarding the first statement, that the level of management essentially determines the state of development of sports and the quality of physical culture and sports services, we have the following results. According to the data obtained, shown in Fig. 1, a significant majority, namely 81,6% of experts, agree with the above statement. 15,8% of respondents noted that they “rather agree with it”, and 2,6% of the surveyed experts noted that they “rather disagree” with this statement. None of the experts chose the options “Disagree” or “Difficult to answer”.



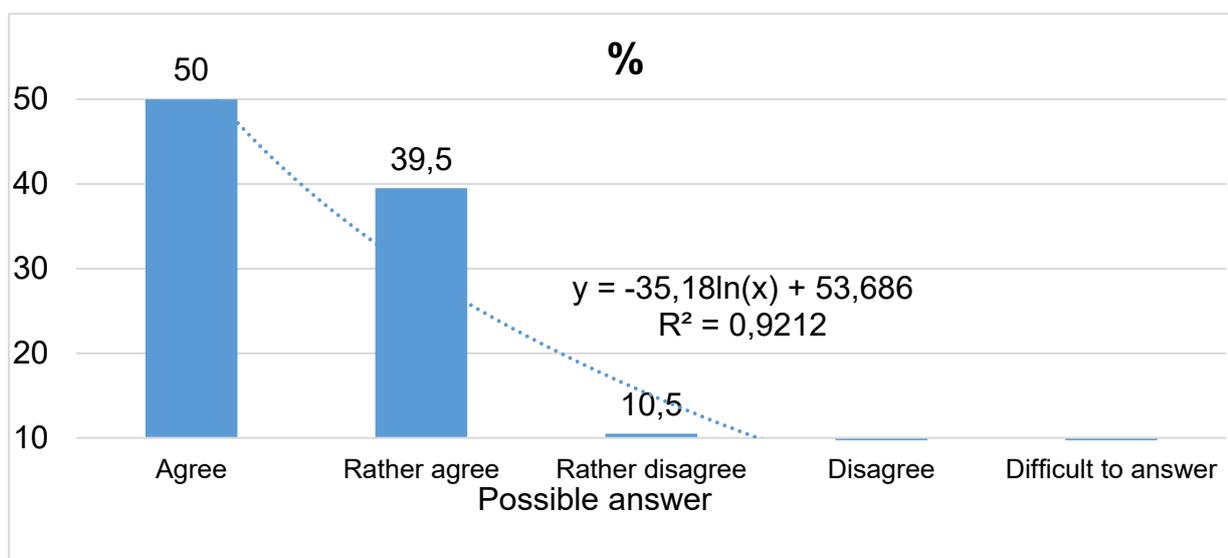
**Fig. 1** Distribution of answers to the statement that the state of development of sports and the quality of physical culture and sports services determine the level of management

Figure 1 shows a linear type trend line, where  $R^2$  is the reliability of the actual data,  $y$  is the sequence of values,  $x$  is the number of the period. From this formula and computer calculation, it can be seen that the possibility of the “Disagree” option was, theoretically, quite low, which is confirmed by the data in Figure 1.

Based on the data obtained, we can say that the vast majority of experts agree that the level of management determines the state of development of the sports sector and the quality of sports services. From this it follows that the level of management

should be given considerable attention, since it is a driving force and an important factor for improving the state of development of sports and the quality of physical culture and sports services.

As for the statement about the existing weak and insufficient level of sports development management at the local level, we can say the following (Fig. 2). 50% of respondents agree with this statement, 39,5% of respondents "rather agree" with the above statement, and 10,5% of experts indicated that they "rather disagree" with this statement. This figure also shows a trend line of a logarithmic type, where  $R^2$  is the reliability of the actual data, the value of  $y$  is a sequence of values,  $\ln(x)$  is the number of the period. From this formula and the results of the computer calculation, we can say that there was a certain possibility for the respondents to choose the option "Disagree", as evidenced by the data presented.

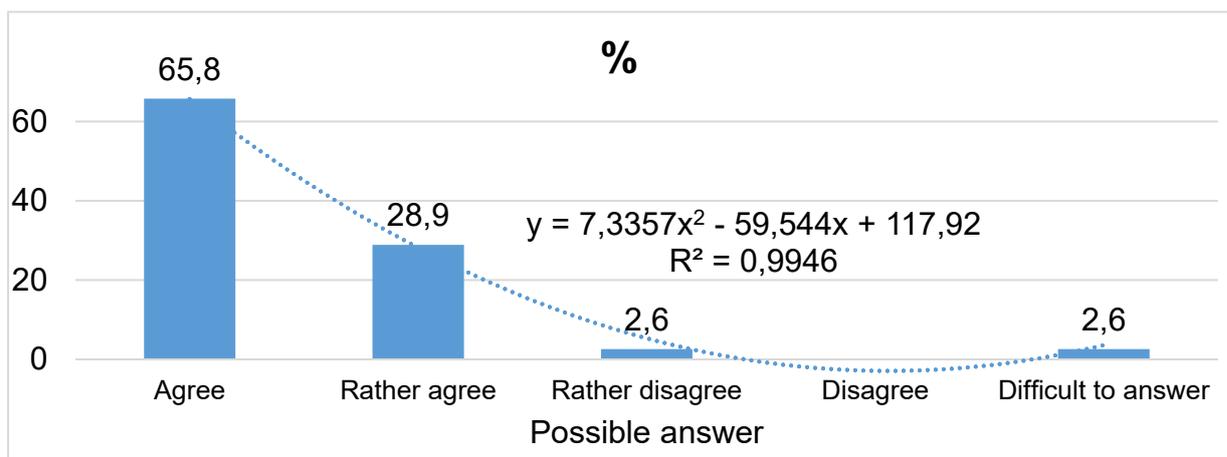


**Fig. 2** Distribution of experts' answers to the statement about the weak and insufficient existing level of sports development management at the local level

After analyzing the data obtained, we can conclude that the vast majority of the surveyed experts agree with the statement about the weak and insufficient existing level of sports management. Therefore, it is necessary to study the management practices at the local level in more detail, analyze them in accordance with the standards of the management system, make appropriate adjustments if necessary, and

introduce the necessary changes at the local level to improve the development of the sports sector.

According to the data presented in Figure 3, namely the assessment of the statement about the existence of significant opportunities and reserves for improving the management of sports development at the local level, we have the following data: 65,8% agree with this statement, 28,9% of respondents noted that they “rather agree” with this statement, and 2,6% of respondents indicated that they “rather disagree” with the above statement. The option “I disagree” was not chosen by the experts, and as for the option “Difficult to answer”, it was chosen by 2,6% of the experts. On Figure 3 shows a trend line of polynomial type, where  $R^2$  is the reliability of the actual data, the value of y is the sequence of values,  $\ln(x)$  is the number of the period. From this formula and the results of the calculation, we can say that the possibility of choosing the option “Disagree” by the respondents had a high level.

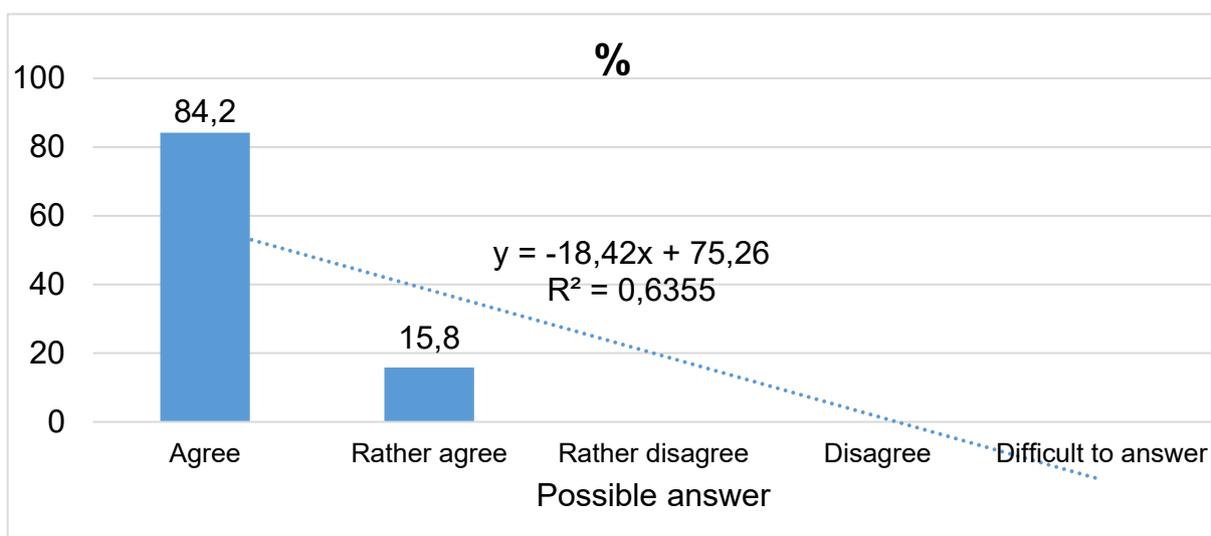


**Fig. 3** Distribution of experts' answers to the statement about the possibilities and reserves for a significant improvement in the management of sports development at the local level

Based on the data obtained, it can be said that the majority of respondents support the assertion that there are significant opportunities and reserves for improving the management of sports development at the local level. From this we can conclude: in order to improve the level of sports development management at the local level, it is important to use existing tools and opportunities, if available, since

their use, according to experts, will directly affect the improvement of the quality of the level of sports development.

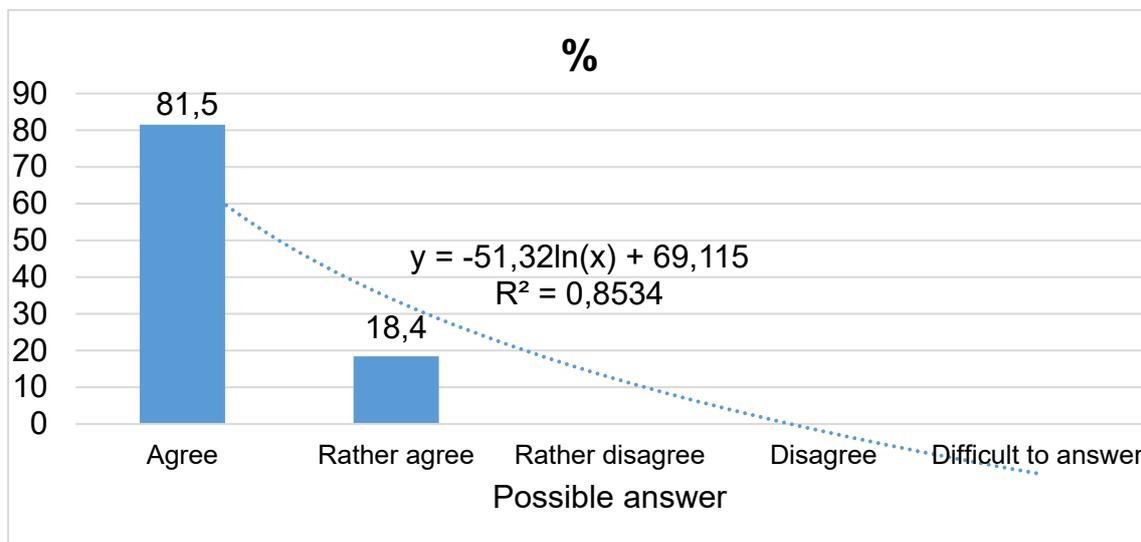
The next question of the research is the statement about the need to attract the assets of sports science to improve the management of sports development at the regional level. Paying attention to the data shown in Figure 4, we can say that the vast majority of respondents, namely 84,2%, agree with this statement, 15,8% of experts "rather agree" with this opinion. As you can see, all respondents agree with the above statement. Thus, the options "Rather disagree", "Disagree" and "Difficult to answer" were not selected. According to the linear trend line, where  $R^2$  is the reliability of the actual data, the value of  $y$  is the sequence of values,  $\ln(x)$  is the number of the period, we can say that the possibility of choosing the "Disagree" option by the respondents was low.



**Fig. 4** Expert opinion on the statement about the need to involve science in improving the management of sports development at the regional level

After analyzing and processing the data obtained, we can say that the respondents support the need to involve sports science in improving the management of sports development at the regional level. In this case, it is recommended to further apply the achievements of sports science as an important trigger for increasing the level of sports development management.

The next and last statement about the need to improve the management of sports development was regarding the statement about improving the management of sports in the regions through the introduction of high-quality scientific developments into practice. Summarizing the data shown in Figure 5, we can say the following: the vast majority, namely 81,5%, agree with the above statement, and another 18,4% of experts "rather agree" with it. As we can see, there is an existing trend of results: according to Figure. The 5 options “Rather disagree”, “Disagree” and “Difficult to answer” were not chosen by any of the respondents.



**Fig. 5** Distribution of experts' answers to the statement about improving sports management in the regions through the introduction of high-quality scientific developments into practice

Figure 5 shows a logarithmic trend line, where  $R^2$  is the reliability of the actual data, the value of  $y$  is the sequence of values,  $\ln(x)$  is the number of the period. From the formula and the results of the calculation presented in the figure, we note that the ability of the respondents to choose the option “Disagree” had an average level.

### **Conclusions / Discussion**

According to the data obtained, we can conclude that the interviewed scientific and pedagogical workers agree and support the improvement of sports management in the regions through the introduction of high-quality scientific developments into

practice. From this it follows that the need to substantiate, create and implement high-quality scientific developments is an extremely important task for sports and a significant improvement in the level of sports management in the regions of Ukraine.

The conducted expert study showed that according to the statements about the need to improve the management of sports development, 97,4% (81,6% strongly agree and 15,4% of those who agree more quickly) of respondents support the opinion that the level of management significantly determines the state of sports development and the quality of physical education and sports services at the local level, including communities.

89,5% (50% and 39,5%) of experts agree with the statement that the current level of sports development management at the local level is insufficient. 95,7% (65,8% and 28,9%) of the respondents agree that there are significant opportunities and reserves to improve the management of sports development at the local level. 100% of respondents (84,2% and 15,8%) support the opinion that sports science should be involved in improving the management of sports development at the level of regions and communities.

All 100% of specialists (81,5% and 18,4%) believe that the introduction of high-quality scientific developments into practice will improve sports management in the regions. As we can see, the prediction that the management of sports development at the local level requires significant changes and qualitative improvement, which was confirmed by experts.

**Prospects for further research** are related to the search, testing and adaptation of modern management tools to increase the capacity and quality of physical culture and sports management at the local level.

**Conflict of interests.** The authors declare that no conflict of interest.

**Financing sources.** This article didn't get the financial support from the state, public or commercial organization.

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Received: 08.11.2021.

Published: 23.12.2021.

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