ECONOMIA DA EDUCAÇÃO: GESTÃO E FENÔMENO DE MERCADO

ECONOMÍA DE LA EDUCACIÓN: ADMINISTRACIÓN Y FENÓMENO DE MERCADO

EDUCATION ECONOMICS: ADMINISTRATION AND MARKET PHENOMENON

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RESUMO: A economia da educação é considerada como o estudo de questões econômicas relacionadas à educação, como a necessidade de educação, o financiamento e a exigência da educação e a eficácia comparativa de vários programas e procedimentos educacionais. O objetivo principal do estudo é analisar os fenômenos da administração e do mercado na área da economia da educação. Para cumprir esse objetivo, a base metodológica para a análise dos problemas relativos ao funcionamento e desenvolvimento proposital de sistemas socioeconômicos espacialmente localizados é formada pelos trabalhos de clássicos da teoria econômica, a teoria das organizações, o trabalho de cientistas modernos no campo da economia da educação. A solução para este problema parece ser possível através da implementação multinível de tecnologias BIM na administração econômica dentro da prática territorial e econômica russa, construída sobre os princípios da modelagem em rede do processo de reprodução.

PALAVRAS-CHAVE: Economia da educação, economia da educação, educação, fenômeno de mercado.

RESUMEN: La economía de la educación se considera el estudio de cuestiones económicas relacionadas con la educación, como la necesidad de educación, la financiación y los requisitos de la educación, y la eficacia comparativa de varios programas y procedimientos educativos. El objetivo principal del estudio es analizar los fenómenos de administración y mercado en el ámbito de la economía de la educación. Para cumplir con ese objetivo, la base metodológica para el análisis de los problemas relacionados con el funcionamiento y el desarrollo útil de los sistemas socioeconómicos espacialmente localizados está formada por los trabajos de los clásicos de la teoría económica, la teoría de las organizaciones, el trabajo de los científicos modernos en el campo. de la economía de la educación. La solución a este

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problema parece ser posible a través de la implementación de múltiples niveles de tecnologías BIM en la administración económica dentro de la práctica económica y territorial rusa, construida sobre los principios del modelado de redes del proceso de reproducción.

PALABRAS CLAVE: economía de la educación, economía relacionada con la educación, educación, fenómeno de mercado.

ABSTRACT: Education economics is regarded as the study of education-related economic issues, such as the need for education, the financing and requirement of education, and the comparative effectiveness of several educational programs and procedures. The main aim of the study is to analyze administration and market phenomenon in the arena of education economics. To fulfil that aim, the methodological basis for the analysis of the problems concerning the functioning and purposeful development of spatially localized socio-economic systems is formed by the works of economic theory classics, the theory of organizations, the work of modern scientists in the field of education economics. The solution to this problem seems to be possible through the multi-level implementation of BIM technologies in economic administration within the Russian territorial and economic practice, built on the principles of network modeling of the reproduction process.

KEYWORDS: Education economics, education-related economic, education, market phenomenon.

Introduction

The regulatory functions of administration and "market phenomenon" (competitive-market motivation) at different levels of management are manifested in different degrees.

As the "caliber" of economic entities grows, the opportunities for their competitive market self-regulation are narrowed, and the need for the use of directive planning and administrative coercion increases. Economic practice shows that competition at the level of small business is closest to free competition, adjusted for state supervision. This seems to be reasonable, since small enterprises occupy an important segment of social services, feel the need to respond quickly to public demand, thereby providing flexible employment for a significant part of the population, which is poorly managed by large market players (Leksin & Shvetsov,1999).

The large-scale share of the defense industry, which only fragmentarily participates in market processes, does not add flexibility to the Russian economy - on the one hand, in terms of the purchase (use) of labor in the labor market, and in the international arms market on the other.

The extension of competition principles in the context of large enterprises to intracorporate relations does not bring technological and economic effect with rare exceptions,

since the separation of the structural units of a large enterprise into separate economic entities leads to their competition among themselves, disruption of rhythm and technological unity.

Thus, administration in business is a necessary element to solve the problems of development and distribution of productive forces; it is also in demand at the internal production level, especially during the production of technologically complex products (mechanical engineering, instrument making, chemical industry, etc.).

Based on the analysis of the approaches of different authors to the problem of activating the process of allocation and development of productive forces, the concept of a programmable administrative and economic regulatory principle expediency in the Russian Federation is substantiated. An economic macro-region is proposed as an economically integral territorial-economic unit endowed with an active production function in the territorial division of labor. The opinion on the high organizational and economic prospects of the Azov-Black Sea economic macro-region is substantiated in the development of this territory resources on the basis of non-resource development.

Literature Review

A fairly large list of scientific publications is devoted to the problem of the relationship between politics and economics at the macro- and meso-level. Marx et al. (1972) in his fundamental work "Capital" (Mamedov, 2009) formulated the concepts of productive forces and production relations, substantiated the position that economic relations (property relations) are the determining factor of political institutions.

The representatives of the Austrian School of Economics K. Menger, E. von Boehm-Bawerk, F. Wieser developed the theory of marginal utility, substantiated the position about the determining influence of the subjective psychological factor on economic processes. Lenin (1999) formulated the provision on the concentration and centralization of production as an objective law of business development, developed the idea of the economy crisis-free functioning (Melnikov, 2007). in his work Menger substantiated the position on the expediency of a regulatory factor in market economy functioning, and a management algorithm based on the "employment multiplier". Leontiev (1997), on the basis of the input-output formula developed by him, calculated the input-output balance of the US national economy and proposed recommendations to regulate economic practices in key industries. The development of communications in business was the basis of M. Friedman's monetarist ideas about the national economy regulation by state with a certain amount of money in circulation. Lvov (2002) analyzed the state and prospects for the development of the new Russian economy, the role of public administration in this process, and the use of rental levers (Popov, 2016).

A similar opinion was also expressed in the fundamental studies by Granberg (2000).

At the same time, there is no sharp discussion on the microeconomic level functioning (the level of individual companies). Indeed, the administrative model of management is built into the organization, and the violation of its management influence is fraught with the ruin of the corresponding enterprise.

A wide palette of views is observed at the macro- and meso-level, up to the opposite.

A significant part of scientists focused on criticizing the socialist administrative-distributive system and supporting the liberal idea of the Russian economy self-regulation on the principles of monetarism. At the same time, reasonable opinions are expressed about the need to preserve state influence. So, Chetvertakov notes that the prosperity of the US economy was ensured by dynamic and innovative capital markets, so it would be extremely shortsighted to allow the state to weaken these markets (Chetvertakov & Chetvertakova, 2018). Another group of authors (Ovchinnikov & Kolesnikov, 2008), develops the idea of regional competitiveness - in fact, the competitive-market rivalry of such meso-formation management subjects in the market of administrative and economic services. The research by Kushnarenko (2016) is devoted to the strategic management of territory non-resource development processes, and the research by Druzhinin (2008) is devoted to the specific forms and methods of large cities functioning management. According to Druzhinin, there is no clear system for regulating the activities of influence subjects (regional authorities, federal authorities, large business).

Materials and methods

The sources of analytical information for this work were Rosstat data, information from publications of various organizations, as well as the works of Russian and foreign authors, the materials from personal observations of the authors, interviews with the experts in the sector of this study object and subject.

The methodological basis for the analysis of the problems concerning the functioning and purposeful development of spatially localized socio-economic systems was formed by the works of economic theory classics, the theory of organizations, the work of modern scientists in the field of modeling processes and states. The systemic, institutional, reproductive approaches were used as a methodological basis; processes and conditions are considered from the standpoint of national, public interests, taking into account the increasing environmental factor. They used the methods of systemic, functional-cost analysis, groupings, extrapolation, and variant forecasting.

Results and Discussion

A characteristic feature of modernity is globalism, generated by the general informatization of space and, accordingly, management and economic practice. According to Osipov (2004), globalism is characterized by the similarity of elements and general controllability from a single center. Agreeing with this interpretation, we believe it is expedient to correlate this process in Russia with the strengthening of the administrative and regulatory factor in economic management based on information systems, and BIM technologies (Business Information Model and Modeling). This creates the task of building new partnerships with the economic elite for state administration bodies.

It seems to be one-sided author formulation of the issue concerning financial benefit maximum increase by government agents during interaction with business. The main goal of the state can be the acquisition of a different quality content, economic and social power increase, and social reproduction increase as the basis of social progress.

Lvov (2002) believes that it is necessary to shift the center of taxation gravity to the natural resource potential and organize a system of financial transfers between profitable and unprofitable, but promising sectors of the economy, between rich and poor regions (8, pp. 165-166). In general, the same idea is formulated by Khutyz (2009).

Ovchinnikov and Kolesnikov (2008) substantiate the idea of competitive functioning and development of regional economies, a system of rational relations and interregional exchange, and the Russian economy restructuring. They believe that it is not the competition of regions that is more justified, but the spatial competition of producers (sellers) for a market space share (the market share extended in space).

Obviously, such an idea is simplified and comes down to commodity-money relations, to a commercial transaction between government and business.

It seems that the regional task of placing administration tools is only masked by the references to virtual spatial competition.

It seems that the thesis about the extraction of a synergetic effect from interregional interaction is possible and justified on the basis of interregional program implementation for the development and distribution of productive forces, the development and implementation of which requires the use of economic administration potential.

Moreover, state administrative and economic regulation at the macro and meso levels should be based on a systematic assessment of reproduction process state, which was mentioned above.

It is important to combine the increase of public administration role in economic management with the formation of appropriate protective mechanisms against the strengthening of bureaucracy in production practice. One can agree with the remark Khutyza (2009) that unsuccessful actions of the state in this respect can only lead to the replacement of the actual market costs with bureaucratic transaction costs.

Inspired by the economic dynamics of Russia in recent years, the strengthening of the regulatory principle in the location and development of productive forces can occur through optimization of labor territorial division, conditioned, on the one hand, by resource-production factors, and by consumer-sales factors on the other. The general informatization of space makes it possible to solve such a "transport" problem quite accurately - saving time for the development of natural data.

In our opinion, a unique achievement in solving the problem of production force location in conditions of economic tension is the one developed by a group of Russian scientists headed by G.M. Krzhizhanovsky, the plan of the State Commission for the Electrification of Russia (GOELRO), the successful implementation of which had a significant stimulating effect on technological progress. Similar approaches were used by Leontiev (1997) in the development of the input-output balance concerning the US economy (7).

A prerequisite for successful administrative impact is the combination of administration and marketability in the relevant territorial and economic locations based on BIM technologies.

Some scholars (Mitrofanova, (2009)) substantiate the thesis about the expediency of transferring the center for programming the development of territories to the level of federal districts and consider them as potential reproduction systems (mainly using the example of the Southern Federal District).

At the same time, it can be noted that the federal administrative districts have not formed into integral economic organisms. Overcoming this is possible by decomposing them into smaller, but economically homogeneous economic macroregions.

In accordance with this approach, one of the promising organizational forms is the construction of the Russian national system of labor territorial division on the basis of reproductively integral economic macroregion development which are similar in economic quality.

It seems expedient to single out a specific macroeconomic territorial-reproductive complex in the system of the single national economic complex of Russia - the Azov-Black Sea economic macroregion (ABEM) as the part of the Krasnodar Territory, the Republic of Adygea, the Republic of Crimea and the Karachay-Cherkess Republic, combined on the basis of

approximately equal natural and climatic conditions, the multinational composition of the population, close mentality, tolerance, the same type of agricultural production, the development of the resort and tourism sector, and transport communications.

Table 1. Key economic indicators in 2017 (16)

	Krasnodar	Republic	Republic	Karachay-	Total
Indicators	Territory	of	of	Cherkess	
		Crimea	Adygea	Republic	
Gross regional product in	2015935	315919	91352	73151	2496357
2016, million rubles.					
Fixed capital investments,	484105	195377	22852	17812	720146
mln. rub.					
Availability of fixed assets at	5937791	2212391	202111	210594	8562887
the end, mln. rub.					
Commissioning of residential	47,28,4	833,7	244,3	201,8	6008,2
building total area, thousand					
sq. m.					

Particularly favorable natural and climatic conditions give a strategic importance in agricultural production to this macroregion as a major promising supplier of agricultural products (greenhouse, horticulture, viticulture and winemaking, livestock, wheat and sunflower seed production) to domestic and foreign markets.

Table 2. Agricultural production in 2017 (16)

	Krasnodar	Republic of	Republic of	Karachay-	Total
Indicators	Territory	Crimea	Adygea	Cherkess	
				Republic	
Grain production,	14080,8	1357,2	613,8	1157,3	17209,1
thousand tons					
Sunflower seed	1075,1	121,3	76,4	28,4	1301,2
production,					
thousand tons					

Livestock and	373,1	97,0	26,3	73,9	570,3
poultry production					
in slaughter weight,					
thousand tons					
Milk production,	1380,9	209,7	122,0	390,5	2203,1
thousand tons					

A specific branch of the economy, typical for all prospective ABEM participants, is the resort and tourism sector (Table 3). Implementation of a unified strategy in this area can contribute to a significant increase of its volume.

Table 3. The volume of resort and tourist services in 2017 (16)

	Krasnodar	Republi	Republic	Karac	Total
Indicators	Territory	c of	of	hay-	
		Crimea	Adygea	Cherk	
				ess	
				Repub	
				lic	
Number of Russian citizens	6451,4	1528,2	107,4	99,1	8186,1
accommodated in collective					
accommodation facilities, thousand					
people					
Number of children rested in health	202,4	77,5	4,7	6,5	291,1
camps, thousand people					

The proposed economic macro-region has high prospects for functioning and development in the field of labor resources. In this regard, to maximize the employment of the population, it is assumed to focus on the development of mechanical engineering, shipbuilding, instrument making, furniture, clothing and food industries.

Table 4. Population in 2017 and staffing prospects, thousand people (16)

	Krasnodar	Republic	Republic	Karachay-	Total
Indicators	Territory	of	of	Cherkess	
		Crimea	Adygea	Republic	
Population number	5603,4	1913,7	453,4	466,3	8436,8
Number of school students	638,6	200,9	50,4	50,7	940,6
Number of students in	23,3	8,9	1,4	0,7	34,3
vocational lyceums					
Number of college students	96,7	19,7	6,2	7,4	130,0
Number of university students	117,4	41,9	12,4	10,7	182,4
Labor force number	2777	916	200	210	4103

The available personnel reserve, which is estimated at 425 thousand people or more than 10% of the existing number of employees, can significantly affect the development of the territory informatization.

In view of the fact that the ratio of administration methods and market management is very different, it seems appropriate to consider the coexistence of power and business as the partners with different interests, goals and achievement methods. This necessitates differentiation in approaches to manage the processes of location and development of productive forces.

The determining motive and driving force of public administration, as was mentioned above, is to ensure the sustainability of society operation while solving simultaneously long-term tasks of economic base development.

It seems reasonable to differentiate the administrative influence of the authorities on business by the scale of economic entities. Municipal bodies can focus on regulating the activities of small businesses, individual entrepreneurs, and self-employed persons.

The organization of macroeconomic regions with the endowment of productive force location and development functions to them can create a favorable basis for the purposeful use of medium-sized enterprise potential. The formation of macroregional intersectoral syndicates, concerns and trusts can become a promising form of association for such enterprises.

In this context, the provisions and algorithms of the "marginal utility theory" can be used to program the location and development of productive forces in the territorial context.

Naturally, such programming will require strengthening the administrative factor of

management based on BIM technologies. Effective public procurement is a significant reserve

for the development of productive forces in terms of administration and market economy

positive coexistence.

Conclusion

In general, the problem of administration and market economy positive interaction in

the sphere of spatially localized socio-economic system regulation has a complex structural

nature, and is conditioned by the need for a systematic approach.

The functioning and development of the region is provided by the means of

administrative and economic regulation, which requires a high organizational quality of

management administration.

One of the promising forms of managing the location and development of productive

forces can be the organization of macroeconomic regions that unite the groups of neighboring

republics, territories and regions to solve these program activities.

The formation of the macroregion elements and their administration should be carried

out using BIM programming. In the new political and economic situation of Russia, one of such

target macro-regions can become the Azov-Black Sea economic macro-region, formed on the

principles of territorial division of labor and society sustainable development.

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10

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