



ECONOMIC CYBERNETICS

DESIGN OF ORGANIZATIONAL INNOVATIONS: MODEL OF VIRTUAL ORGANIZATIONAL STRUCTURE FOR ENTERPRISE MANAGEMENT

page 4–9

The objects of research are the organizational enterprise management structures. It was revealed that enterprises have mixed types of their own organizational structures, among which the network organizational forms are the most effective. It was established that the main requirements for the development of an efficient organizational structure is its ability to quickly and adequately respond to the nature of the disturbance problem. It was revealed the key issue of traditional types of organizational structures — remarkable inertia of mechanisms for generation and management decisions that require immediate response of management system in response to the emergence of problem situations. A constructive way to overcome the mentioned conflict is a simulation of virtual organizational structures for enterprise management, which exist in parallel with real organizational structures using the principles of modelability and scientificity. This will transfer the management of problematic situations in cyberspace, enable «programmed» accelerated transformation of base virtual organizational structure in the «problem» with predetermined properties. The main preferences is the speed and adequacy of solving actual problems using a virtual model of organizational structure provided «physical» immutability of real management structure. The author developed methodological principles for virtual modeling of virtual organizational structures and for enterprise management and build the model in analytical and graphical forms. Areas for further prospective studies were marked.

Keywords: problem situation, enterprise management system, modeling, model of virtual organizational structure.

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TECHNOLOGY TRANSFER IN THE ECONOMICS

THE DEVELOPMENT OF PRINCIPLES FOR DETERMINING THE NUMBER OF PASSENGERS CARRIED BY NARROW GAUGE RAILWAY AND THE INCOME OF THEIR TRANSPORTATION

page 10–17

Challenges and future directions of tourism development in Ukraine, as well as the experience of travel by rail are overviewed in the article.

It was revealed that transport in Ukraine is in disrepair in continuous underfunding of the state railways, the rolling stock is on the verge of overaged, level of service does not meet European requirements.

To overcome the crisis it is need to introduce new services for railway and interested investors to invest in these new areas. One of the new services offered to introduce in railways, given the positive experience of foreign countries, is the railway tourism.

The scheme of tourist flows in the Transcarpathian region of Ukraine was developed. The main flow of tourists were shown for coming to rest in Transcarpathia with neighboring countries, which have road, rail and air traffic as well as internal flows with

Ukraine that come in the Transcarpathian region by road, rail and air transport.

The structure of tourist and traffic transfer by narrow gauge rolling stock was developed.

Methodical approach was improved for determining income from the transportation of passengers and tourists by the various types of narrow gauge rolling stock, which allows separately the transfer of passenger to the rest area and in reverse motion and tourist travel on certain routes to different rolling stock that will accurately predict the economic activities of travel agencies and establish the value of rail fares and the cost of permits.

Keywords: narrow gauge railway, transfer, passenger transportation, rail tourism, income.

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DEVELOPMENT OF PRODUCTIVE FORCES AND REGIONAL ECONOMY

ANALYSIS OF INSTITUTIONAL AND LEGISLATIVE SUPPORT FOR THE REGULATION OF TERRITORIAL MOBILITY OF THE WORKFORCE

page 18–25

The article analyzes the institutional and legislative support for territorial mobility of the workforce. «Institution» concept is analyzed and defined. An attempt of classification of institutions that promote employment displacement is made. Formal and informal institutions that attract citizens to migration are highlighted and functions of these institutions are studied. The basic subjects of the regulation and basic territorial regulators of territorial mobility of the workforce, as well as legislation that establish these institutions are analyzed. The mechanisms of regulation of migration processes on the level of local, regional and national authorities are studied. It is found that system of unsolved problems in the institution of registration, institution of law, institution of education, and underdevelopment of housing market in Ukraine prevents free movement of workforce.

Keywords: territorial mobility of workforce, migration, institutional support, formal institutions, informal institutions, institutions of law, institutions of labor market, institutions of migration networks.

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COMPENSATION CALCULATION FOR ALIENATION OF LAND FOR PUBLIC PURPOSES IN THE CASE OF RECONSTRUCTION OF KYIV GREAT RING ROAD

page 25–34

Alienation of land for public purposes in the case of building of transport infrastructure object is studied. Contradictory aspects

of the coordination with the landowners are given. Building of the Great Ring Road around the Kyiv, which should solve the traffic problems in Kyiv, Boryspil, Brovary and unload the capital of Ukraine on the large flow of transit traffic, is considered. The structure and legal status of the land that are necessary for building of the road are analyzed. Project areas are investigated. Exchange of land as a form of compensation for the alienation of land for public purposes is considered. Possibility of introducing the exchange of land in the project areas is offered for example of the reconstruction of the Great Ring Road around the Kyiv. Areas that are fully subject to alienation or use of which is not possible for the following project are considered. Calculation of equivalent land in exchange for the traditional formula that allows to determine the size of equivalent land according to the values of ratios for soil quality. Improved formula for calculating the area of exchanged agricultural land taking into account configuration, brokenness of the boundaries, land relief is used for comparison.

Keywords: compensation, alternative land, alienation of land, equivalent exchange, bonitet point.

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FORECAST AND PROSPECTS OF POULTRY INDUSTRY DEVELOPMENT IN THE PERIOD BY 2020

page 34–40

Poultry industry in Ukraine is economically attractive and competitive kind of agribusiness, as evidenced by a steady growth

dynamics of poultry meat and eggs. Therefore, the object of our study is the poultry industry in Ukraine and its individual enterprises.

Methods of applied system analysis, comparison, modeling, calculation-constructive and others were used during research.

Organizational and economic principles of poultry production, which are formed by a system of internal and external factors, are studied in the article. The features of poultry production in Ukraine and Kherson region for the period 2010–2014 are analyzed. Directions to improve economic efficiency and a forecast for poultry production by 2020 are proposed. Evaluation of the effectiveness of the JSC «Chornobaivske» was conducted, ways to optimize costs and increase profitability of the industry in the future were developed. Expediency of further study of factors that affect the efficiency of poultry products is marked.

Recommendations for the disposal of waste and the full utilization of poultry with further technical modernization of the enterprise were given. The study found that the production of eggs of birds will increase due to the fact that most enterprises will process their products on egg powder, which has a great demand in the food industry.

Data analysis and forecasting the industry by polynomial trend shows a possible fluctuations. This highlights the complexity of recovery in the conditions of competition under both internal and external factors.

Keywords: poultry industry, poultry products, poultry eggs, poultry meat, egg powder, production cost, forecast.

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ELABORATION OF THE SOCIO-ECONOMIC MECHANISM OF REGULATION THE POPULATION MIGRATION IN THE STRUCTURE OF THE SELF-SUFFICIENCY OF THE REGION

page 41–46

The object of the study is the structure element of self-sufficiency of a region, namely the socio-economic mechanism of population migration regulation, its formation and further influence on the development of the country and the region. The disadvantage of this item may be the complexity of its implementation, because it needs to be involved in almost all public authorities. To address this problem, the study identified the main reforms of the social and economic spheres that will allow to unlock the potential of the country. An analysis of costs was conducted for the implementation of the mechanism and revealed the effectiveness of the proposed transformations. Achievement is expected through increased investment and tax revenues, through the creation of new working places, internal and external re-emigration to the regions. Decentralization is based on the principle of subsidiarity that is the one of the founding principles of the European Union, according to which the community is resorting to any measures only if they are more effective measures at the lower levels. Therefore, the important problem is the using of socio-economic mechanism of migration regulation to increase tax revenues in the budget and further allocate grants for development of regional communities.

Keywords: regional community, social reforms, investment in socio-economic reforms, re-emigration of internally displaced persons.

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CREATION AND TESTING OF ESTIMATION METHODOLOGY FOR «GREEN» DEVELOPMENT

page 47–54

The object of the research are the practical results of «green economy» policy implementation at the state level, and the subject are scientific, methodological and practical issues of assessing progress in countries in this area.

In the scientific literature, as well as in analytical materials of different countries and international institutes there was represented the diversity of approaches to the interpretation of the essence of «green» economy, its distinctive features and basic characteristics. A similar situation exists with the methodology of results evaluation of «greening» economy or its separate segments. This makes necessary the formation of unified system of quantitative and qualitative assessments, which together enable to understand, what the results are need for making the cross-country comparisons and determining the structure.

We have developed methodological approaches to the estimation of countries' progress on the way to «green» economy, defined the logic, the calculations order, as well as methods of data compilation and the scheme for results analysis. The advantage of this approach is the versatility of assessments, their structuring and availability, because all calculations are based on open official data, published by international organizations and national governments.

Testing of this method was done for OECD countries. It makes possible to prove the effectiveness of the proposed approach and gives the reasons for the conclusions, which countries are leaders in «green» development, and which failed in making progress.

Keywords: «green» economy, analysis, evaluation system, methodology, international comparisons.

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PROBLEMS OF MACROECONOMICS AND SOCIO-ECONOMIC DEVELOPMENT

INTELLECTUALIZATION OF SOCIAL-ECONOMIC PROCESSES: INTELLECTUAL CAPITAL

page 55–60

Social-economic society, regardless of their levels: macro-, meso- and micro- is historically structured as a complex self-regulating social-economic hypersystem with its constant reality, regardless of the uncertainty in which there is activity of biological energetic subjects takes place on the basis of personal creativity.

This is in an adequate degree applies to the producer and to the consumer: the worker, employee, manager, or someone else's consumer of products, in general, for all entities making up this complex socio-economic system, as a living organism, which gives grounds to consider it as the intellectual potential of the society.

It is conceptually proved the necessity of taking into account the features of modern economic laws of development – intellectual potential as a factor of intellectualization of social-economic processes.

It is suggested that the conflictogene of social and economic development cycle of complex self-regulating social-economic systems is intellectual capital.

Insufficiency of theoretical contexts of development of such systems, which justifies the design problems of the objective function of economic policy, is proved.

On the basis of the results of research, discussions and practical developments authors conceptually justify mentality directions of intellectualization of processes at the meso-level as absolute principles of economic behavior during the realization of the intellectual potential, turning it into intellectual capital.

Keywords: intellectual capital, economic potential, intellectualization of development, social-economic system.

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