

**STATISTICAL ANALYSIS AND ECONOMETRIC MODELING METHODOLOGY
IN THE SYSTEM OF REGULATING THE PROCESS OF MODERNIZING
EDUCATION IN ACCORDANCE WITH THE CURRENT MARKET
AND INSTITUTIONAL CHANGES IN THE PROFESSIONAL EDUCATIONAL
SERVICES MARKET**

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The development of market relations and the trend towards the international educational standards brings about certain changes and reforms in the system of education. The above-mentioned factors, as well as the general state course towards innovative development, require the development of adequate management mechanisms in the system of education. The author suggests econometric modeling as one of such mechanisms.

The strategy of innovative development till 2020 worked out by the Ministry of Economic Development is aimed at achieving the 5-10% market share in the sector of high-tech and intellectual services and increasing the high-tech sector GDP from 10.95% to 17-20%. In order to achieve this objective, the education system has to be thoroughly reformed.

Large-scale modernization requires the adjustment of the suggested "Russian Education - 2020" model in accordance with the key principles of the "Innovation Russia - 2020" project, which means that the key factors for the renewed curriculum at all the levels of education are the trends in economic, social and technological development. However, there are significant regional differences in the parameters of professional education, which have to be taken into account in order to maximize the positive outcomes of the reform.

We would like to suggest a map of regional educational services market analysis (see figure).

The suggested map of economic and statistical analysis is based on the methodology of analysis and modeling for the market of educational services. The key parameters of the methodology are:

- ◆ using the system of indicators;
- ◆ analyzing the changes and deviations in the indicators;
- ◆ qualitative evaluation of various factors influencing the changes in the indicators with a

view to identifying the underlying causes for these changes.

The possibility of statistic investigation and modeling of professional education services market, as a multiple-factor process, is preconditioned by mass character of provided educational services on the market, their quantitative estimation on the base of regional statistics indices, as well as on their quantitative estimation of their interaction between key variables. The presence of these features proves the fact that decision to the problem of state education policy development demands qualitative determinacy of development mechanisms of professional education services market in the scale of region's or country's economy on the methodological base of statistical investigation or professional education services market modeling.

Econometric modeling is believed to be a perfect tool for the bodies of state power that make it possible to examine the results of this or that development strategy and to assist in the implementation of processes, which take place in the system of professional education.

Thus, the model should be approximate to the real life and real economics, so that it can be a tool of forecasting and analysis with the help of computer usage. This should be an instrument of economic and social politics useful in practice.

The reasonability of econometric modeling usage in the studying of processes in the sphere

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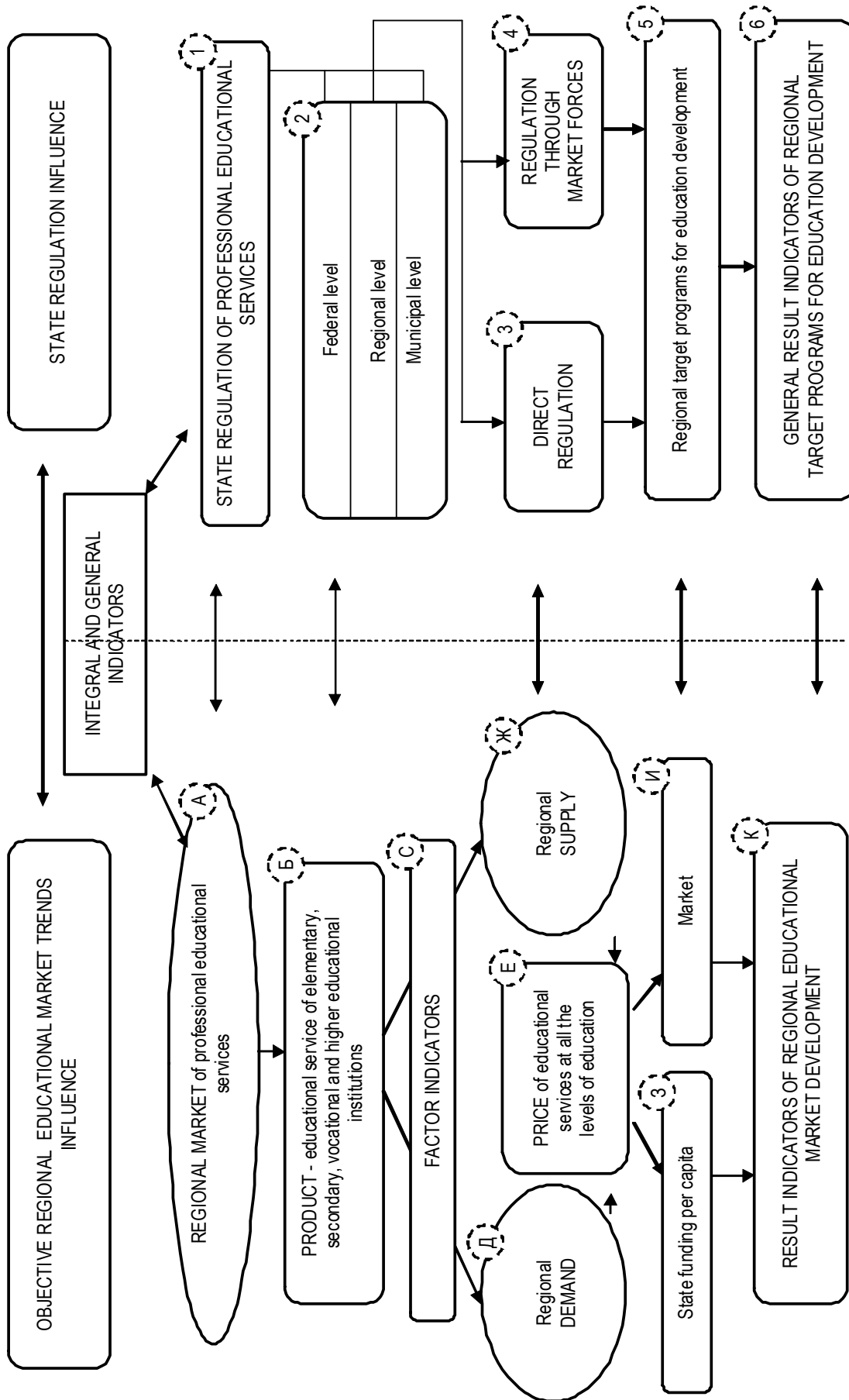


Fig. Conceptual map of regional educational services market analysis

of professional education is also preconditioned by limited regulation possibilities of the specialists' employment structure formation process.

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