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INSTITUTIONAL EFFICIENCY AHROYNNOVATSYY: PROBLEMS OF ESTIMATES AND PREDICTION

The effectiveness of innovation process can be assessed only on the basis of certain complex index, which would take into account the following elements of analysis: indicators of innovation activity; level of technological, organizational and marketing innovation; indicators characterizing the size and composition of organizations that innovation activities and types of innovation; indicators of the structure and current and capital expenditure on technological, organizational and marketing innovation; indicators characterizing the volume of innovative products and services; innovation indicators of innovative products and services; export performance of innovative products and services; indicators of innovation and their impact on economic development; technological exchange indices that characterize the acquisition and transfer of new technologies; indicator of the intensity of cooperation relations firms in the research, development and innovation; indicators of sources of information for innovation by type.

. This group of indicators reflecting the current state of development of innovative enterprises of agricultural sector, but can not identify the impact of institutional factors on the innovation process and evaluate the qualitative changes in the development of agricultural production.

We consider as a possible indicator of innovative integrated development of agricultural production in terms of efficiency of use ahroinnovatsiy institute. Based on the fact that the institution is to enforce ahroinnovatsiy three functions: stabilizing, adaptive, regulatory, - offer to evaluate the effectiveness of their

implementation and on the basis of the present integrated performance indicator Institute ahroinnovatsiy.

So stabilizing function aimed at ensuring existing innovation process. Evidence of implementation of this function should be to increase the share of firms that introduce innovations, the positive dynamics of production of innovative products, increase profits, reduce material consumption products.

Evaluation of "work" variability mechanism that is responsible for the adaptation function requires analysis of the adaptation of "work" mechanism. This analysis will determine the extent to which the institute is able to adapt ahroinnovatsiy formal rules imposed by the state to the informal conditions of functioning of the institution. Since statistics on the results of adapting formal rules and their effectiveness absent during this analysis can use these expert opinions.

To assess the regulatory function is necessary to analyze the extent to which the governments of the instruments of direct and indirect actions contributed to the promotion of innovative process. You must provide an assessment of tax instruments to stimulate innovation; efficiency projects with the creation and development of innovation infrastructure; program implementation efficiency of monetary incentives agro-industrial production; effectiveness of program implementation of innovative development of agricultural production.

Efficiency Institute ahroinnovatsiy can not be measured purely quantitative parameters, because a number of characteristics described in terms of "low-medium-high" or "sufficient - insufficient" and more. So you can join the opinion of experts that the best tool for such assessment may be tools of fuzzy set theory and fuzzy logic.

We believe that further effective development institution ahroinnovatsiy impossible without clarification indexes and constraints that define this state. In this context, we offer first estimate the initial state institution based on a single integrated parameter that would have clear criteria for identification (numeric and linguistic).

To form the integral index of institutional efficiency ahroinnovatsiy offers a combination of tools of fuzzy set theory with econometric tools.

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