

SIMULATION OF THE SHADOW ECONOMY ON ECONOMIC SECURITY OF UKRAINE

The shadow economy affects all socio-economic processes in the country and indirectly lowers its economic security. In order to difficult evaluation of the impact of the shadow economy on economic security hard it is proposed for modelling to use a cognitive approach, which refers to problem-solving methods that take into account cognitive aspects, which include the processes of perception, understanding, knowledge, explanation, thinking.

Activity shadow economy and criminal organizations is a special threat to security of the economic system of Ukraine. The influence of the shadow economy is primarily manifested in areas such as tax and budget effectiveness of macroeconomic policy, monetary sphere, the deformation structure of the economy, economic growth and investment process, competition and efficiency of the market mechanism, and employment.

Composing the cognitive map of influence of the shadow economy on economic security in the country allows us to organize knowledge about the factors in their relationship and interaction. As a result of simulation, it is determined that the main factor that affects the level of economic security of Ukraine, is the level of toning up its economy. This factor is used for the pulsed impact in order to determine the necessity of its reduce for the economic security of Ukraine. Using the cognitive modelling of the shadow economy on the economic security of the country, realized on the basis of a set of principles of unity and consistency, accuracy, completeness, and comparability, will receive regular objective, qualitative information and provide meaningful analysis for management decisions to ensure the economic security of Ukraine.