

Formation of network model of value added chain based on integration of competitive enterprises in innovation-oriented cross-sectorial clusters

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Abstract

© 2016 Shinkevich et al. The relevance of the research problem is conditioned by the fact that currently in the global economy the strengthening of integration processes, increasing of inter-sectorial cooperation and the internationalization of economic processes are observed. Relevant and promising in this case is the formation of the network model of value added chains' creation based on the integration of competitive enterprises in innovation-oriented cross-sectorial clusters. The purpose of the paper is to develop model of competitive enterprises' integration in innovation-oriented inter-industry clusters, the formation of the algorithm for cluster's building and its capacity and activity strengthening, competitive enterprises' bringing on the level of innovative development. Leading method to the study of this problem is the method of building a spatial network model that allows realizing of economic entities' integration of different categories and types of activities in a generic intersectorial competitive cluster. To assess the effectiveness of the value chain creation the use analysis method is assumed based on value added, which allows to diagnose groups of competitive and noncompetitive producers, to identify resource and innovative potential with further construction of development strategies. The research materials can be used in managing by the development of economic regional and cross-industry systems, clustering of the economy, as well as to assess the level of competitiveness of enterprises, the construction of strategies of innovation development.

Keywords

Cluster, Competitiveness, Innovative development, Production efficiency, Value added