

## Evaluation of the combined dynamics of economic development of territorial units

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The object of complex analysis is the economic development of corresponding territory, and its aim is providing an authentication of territorial units in an economic environment, creation of necessary informative base for the acceptance of various administrative decisions in relation to development directions, investments attracting and so on.

Organization of complex evaluation of territorial units' economic development presents totality of the successive stages, the semantic filling that can differ depending on the necessities of analysis.

A final comparative evaluation must take into account the major indexes of economic development of territories and be based on the public erected statistical information that provides objectivity and openness of analysis results.

For realization of comparative complex evaluation of dynamics of economic development of the Poltava region the indexes of such basic economic indicators are used: industrial products; products of agriculture; sending (transportation) of loads and passengers by above-ground transport; retail business; export and import of commodities and services; amount of busy. The value of combined index of the territory economic development is determined by a formula:

$$I_{E1} = \sqrt[n]{I_{E1} \cdot I_{E2} \cdot I_{Ei}}, \quad (1)$$

where  $I_{E1}$ ,  $I_{E2}$ ,  $I_{Ei}$  – are indexes of corresponding indexes of economic development of territory;

$n$  – is an amount of indexes.

Among the combined index of economic development of the Poltava region, the most successful was 2010 (116,0 %), and in the next years took place its permanent decline. The values of the combined index in 2013-2014 (96,3 and 92,7%) testify to the average decline of indexes of economic development of area accordingly on 3,7 and 7,3 % comparatively with a previous year.

The algorithm of complex evaluation of territories' economic development can be used for comparison of corresponding objects (regions, areas, cities, districts) upon the certain date or in a dynamics.

On the basis of the expounded methodology of system requirements, forth indexes are set with relation to efficiency of complex evaluation of economic development of territories:

- indexes must be maximally informing, have the most complete semantic filling for integral description of research objects;
- on economic maintenance indexes must have an identical orientation, id est the increase of index means an upturn in the territory economy, and vice versa;
- indexes must settle accounts on the erected information of statistics state authorities;
- indexes must give the possibility of comparative evaluation of economic development of territories both in space (id est comparatively with other objects) and in time (for the row of periods).