Information and analytical system (IAS) contains complex multidisciplinary information resources which allow to take into account different social, economic and ecological aspects in decision making. IAS is developing as Web-application (www.iaszk.chita.ru) which includes data bases, spatial date bases and analytical tools for researches and decisions making.

Unit “Indicators of growth quality” is a part of developing IAS (Pic. 1). It contains indicators which might be used to get information about environmental change arisen from economic activities. These indicators are calculated by algorithms based on relational table’s data in different analytics. Algorithms of indicator’s calculation (input data and algorithms) are described in one of the database’s tables. It allows to add different indicators to system by administrator. It should be noted that user can be calculate described indicators based on one’s own data.

For analysis of indicator’s calculations you should use 2 operations. First, you should select subset of a multi-dimensional array corresponding to dimensions. Second, you should select representation form (Pic. 2) which is easy to use values for analytical purpose.

The simplest representation form of indicators is table. Graphic allow show how change growth quality. It may be decrease, increase or stay. Plots, pie charts and histograms should be use for analysis of dynamics, share in the total and maximum and minimum search accordingly. To carry out comparative analysis values of different regions was planed map form of representation.

Similar developments can be useful in different field of science.

Pic. 1. Units of IAS.

Pic. 2. Representation forms of indicators.