

THE REVIEW OF SOFTWARE FOR ECOLOGICAL AND ECONOMICAL ANALYSE OF ECONOMIC ACTIVITY

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Basic works of governmental politic of Ukraine in the environment sphere, utilization of the nature resources and guaranteeing the ecological safety were worked out accordingly to the item 16 in the Constitution of Ukraine, which determinate, that guaranteeing the ecological safety and maintenance of ecological balance on the territory of Ukraine, overcoming the Chernobyl catastrophe results- the world scale catastrophe, conservation of Ukrainian genophode is the governmental responsibility.

Contemporaneous (modern) approach to raise ecological safety of economic activity has to be based on the operative recourses management methods with using the information technologies. Complex number and using the information allow to create necessary analysis data base, forecasting and planning economical and ecological activity of enterprise, raise the basing of the creating strategies, gives the ability for modern correction of plans and budget of the enterprise.

Nowadays utilization of the information leads to cutting down the expenses and raise the production quality and effectiveness. For example, the valuation inculcation allow to cut down the expenses for the projects – from 10 to 30%; to short the time for introduction new products in the market – from 25 to 75%; to cut down the expenses for preparing technical documents – to 40%.

According to the technology they can be divided to: program packages for statistic data processing, program packages for economical analysis, program packages for formalistic primary information which is need for further leading ecological and economical evaluation and analysis managing the enterprise (table 1).

Choosing the statistic package for data analysis and taking the necessary calculation deepens from the problems character, size of the data, which are processed, necessary equipment and user qualification.

Most of the statistic analysis can be very effective in solving with using the program processing the electronic spreadsheet Microsoft Excel. Specter of the possible statistic functions of the latest MS Excel almost don't give up the specialize programs of statistic data processing (more than 70 functions).

Table 1 – Functional possibility program products for analysis of economic activity

Type of the program product	Newest specimens of program product	Program product possibilities
Program packages for statistic data processing	BMDP, STATGRAPHICS, SAS, SPSS, E.Views, RATS, MikroTSP, Minitab, STADIA, SYSTAT, MEZOZAVR, EBPICTA	Business graphic; parametrical tests; non parametrical tests ; categorical analysis; dispersive analysis; regressive analysis ; time line analysis ; multivariate methods
Program packages of economical analysis	ATM Technologies, BS Integrator, IBM Informix, FinExpert, Symantec, Antaris	Complex system of managing the enterprise; business-attachments for financial automation the enterprise, staff management; financial and governmental program products.
Program packages in ecological tendency	«Ecol-Gas», «Tandem», «Inventarisat ion», «NEORIST», «NO RMA6XML», «EOL»	Program calculation of atmosphere pollution; Calculation of gross ejections pollution substances from unorganized sources atmosphere pollution etc.

But we must to admit, that the main component of ecological and economical analysis is a complex valuation of condition and effectiveness of natural using and securing of the environment in a different economical sectors and on the all levels – from the exact enterprise to the separate regions and the all country in common, including utilization the exact nature resources an ecological interindustry base. Today in Ukraine were exploit not so many program resources, which helps to process information necessary for ecological and economical analysis of economic activity. In this situation there is a necessities for exploit a specialized program needs ecological and economical valuation and analysis of economic activity.

References

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