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Present matematycheskaya process model vybratsyonnoho transportyrovanyya kormosmesey. Main characteristics Ustanovleny vybroreolohycheskye kormosmesey s transportyrovanyya in the process.

Mathematical Modeling, Vibrate, transportyrovanye, kormosmes.

The mathematical model of process of vibrotransportation of mixes is given. The main vibrorheological characteristics of mixes in process of transportation are established.

Mathematical modeling, vibration, transportation, feed mixture.

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MAIN METHODS find and INFORMATSIYIDLYA OF MONITORING IN UKRAINE APC

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The paper conducted a systematic analysis methods for information retrieval and most effective methods of monitoring (controlling and consulting "business intelligence" benchmarking), information retrieval activities, scientific literature and identified opportunities to monitor their use in agriculture Ukraine.

Monitoring Methods, search, benchmarking, information, agriculture.

Problem. According to a survey of 325 US companies conducted by the American Society of Security Industry in 1995 theft of confidential information there was on average 32 times a month, resulting in a total loss amounted to more than 5 billion. Dollars. Most incidents (74%) were caused from the middle (ie those people who have had a trusting relationship with staff obliged to keep confidential information), ie employees, business partners, contractors, suppliers, former employees and retired employees. In 36% of cases, the perpetrators were local competitors, foreign competitors and intelligence, computer hackers. Among developed countries most at risk of Britain, Canada, Germany, Japan, China and France. The most popular among long-term use of confidential information business and marketing plans, processes, and information about new developments and prospects of research [1].

The above indicates that the security of information provision is a necessary component of any business (business) activities.

Analysis of recent research. One of the most significant stages 10-stage process benchmarking (monitoring) - collection of data and information that is the essence of the benchmarking process. When conducting any research professionals information retrieval is of interest not only the information, but also the source of its receipt. Professionals conducting benchmarking, should have a clear idea of what these information sources, why their use is of interest and how they should be used [2].

Nowadays, almost all confidential (secret) business information can be obtained without the use of illegal methods. Legal and illegal methods of gathering secret business information can be classified as monitoring methods (benchmarking, competitive and business intelligence). In modern society open to receiving business information the most effective use of experts, networks and files, which contain information about business relationships past periods of any company or economics.

The purpose of research. This paper has two objectives: one of them is a description of possible sources of information, the second is to consider the problem of using them for benchmarking. The most experienced professionals in this field are librarians (in Ukraine is the staff responsible for information-search activity) that have been trained and are experts in information retrieval [2].

In order to systematize information sources to decide what sources should be used to obtain the necessary information. It is well known that such information can provide individuals with relevant knowledge of the situation and the main trends in specific industries or production, and of course, are experts in the field of economy, science and technology [2].

Results. Information about the results and trends of the selected study economics, production or science can be obtained by analyzing the relationship between economic agents, connections internal structures of the subject responsible for the efficiency and quality of work. Regarding the study results, performance criteria and receive comprehensive information sources to apply to organizations dealing with statistical data in the productivity and efficiency of production in specific industries.

According to the Law of Ukraine експертизу - expert is a specialist in a particular field of knowledge, technique or craft. Due to the above, employees of statistical agencies also are experts.

Thus, having considered the general scheme of development specific industries, experts can begin to determine the appropriate sources. This approach is not traditional, but it can be used to find new sources of information. Then specialists of benchmarking can identify new ways of obtaining information.

To improve the effectiveness of benchmarking is necessary to develop a plan for gathering information. Data collection system must be carefully planned. Typically, the planning process benchmarking takes time and money. The expert must determine which among the available sources of information may be the most effective. The study of information sources should be used "movement from simple to complex", ie move from low-cost sources to use sources that require considerable investments. Using this approach, the expert primarily uses all internal sources, which include electronic and public databases. The second set of data sources that can be quite large, there are external sources. These sources include a wide range of experts in the field and those structures because of the nature of its activities with special knowledge about products and services. This latter group is secondary information, as a kind of source for the source, and often acts as a provider of information about the relationship between partners can also be a source of research during benchmarking.

The third and last category of information sources, work on which is the most difficult, is original research, conducted by special order, which includes the development of task execution and analysis, and this process can be quite expensive and time consuming. Experts need to identify potential sources of information in each of the three categories and analyze them to make a decision on the possible value of each source in terms of research, and to identify potential weaknesses or problems in using it. These tasks determine the future direction of the expert and is the basis for interaction with professionals in the field of information retrieval. Thus, this "matrix" expert help determine priorities in the study.

Such a scheme that determines the approach to seek additional information as the movement of easily accessible information to the information less accessible, is definitely a new and more complete understanding of the research and information sources.

First of all it is necessary to turn to domestic sources. As a rule, source of information, first of all, understand external sources. However, sometimes it is difficult to imagine what information direct and often indirect means inside the organization.

Analyzing the specific process of economic development, it is appropriate, seek immediate stakeholders, as well as the professionals responsible for its immediate implementation. To find out what they know and what sources of information, in their view, it is worth. Keep in mind that there is always archived information, in one form or another - or she is classified and archived officially or dispersed in cabinets, shelves and desktop employees. The basic principle of benchmarking is this: those individuals that are relevant to the process, they know about it all, it should contact them first.

Functional experts are employees of organizations with expertise in the power of their office. This may be the engineers on the organization of production, process engineer, experts in the distribution of goods or analysts, whose duties included the continuous improvement of the organization. Functional experts with information on the latest developments in their field, the information they receive through journals, at conferences and through participation in professional associations professionals. They can participate in the activities of the expert group on benchmarking. At least, these professionals should ask about what sources of information should, in their view, to take advantage. There may be special studies in the field of customer service or industry comparative study of various processes, involving experts and who can help and expert benchmarking process to find a new vision.

Information networks and file cabinets that contain information about past periods of significant efficiency can be used for benchmarking. In modern society, along with the growth of interest in benchmarking, there is a significant increase in the number of databases that store information about past periods of development in various fields of industry, science and technology. Therefore, this information is made available to a wider audience of users of electronic networks. Most of these networks are formed designated persons or specialized organizations that collect and disseminate information within their network.

Such a database would more accurately be called knowledge bases preservation because they contain mainly information created primarily for the purpose of documenting, storing and later use the best

methods of production processes. Knowledge Base preservation can be quite large and allow for searching and cross-referencing by Industry, manufacturing processes, company names, being a significant repository of information that can be used for benchmarking. Typically, these bases are unique in nature and are created by the search engines. As the documents on benchmarking created electronically, their storage and retrieval is quite fast, simple click on an icon that represents a unique software tool. In addition to saving knowledge bases, there are electronic networks and networks that consist professionals in the field of benchmarking. And they both networks as internal character become increasingly use external networks. Electronic networks allow to spread the message (information) to individuals through the list of sections, thus combining a large number of network professionals provide fast and timely collection of information. Information on such networks can be extremely useful for the company in respect of which the expert group intends to conduct benchmarking.

Often these networks include card-index drawer containing copies of the software, minutes of meetings, reports on research in the field of benchmarking, evidence of success and other materials that may be useful in terms of information exchange. Such materials may include the following: a bibliography of all works on the subject of benchmarking reference for all materials internally for benchmarking, materials immediate alert service of interest to professionals in the field of benchmarking, the content of the scanned key publications on the same subject.

Internal networks that represent the organization, is another significant source of information when making benchmarking. Generally, there are two types of internal networks: information and operational. Many large companies conduct seminars on benchmarking. These seminars certainly held in one day. The program of seminars to provide information to stakeholders on progress conducted benchmarking, good practices and innovative methods of work in this area, as well as information of interest to professionals. At these meetings invited lecturers representing new ideas and highlight our experience in this field. The purpose of such events primarily is to share information.

There are also operational network aimed at restoring information about ongoing research in the field of benchmarking, coordination provide contact information to help avoid repeated visits single of the same company. Operating network provides support teams benchmarking and promotes the success of its research. There are numerous examples of how the presence of such a network has helped find potential weaknesses during benchmarking or helped the two organizations to conduct joint research. The network also provides

mutual support to its users, providing an opportunity to share ideas and suggestions in particularly difficult situations. When benchmarking, it is advisable to refer to publicly available sources of information.

Sources of information that is common property, staff investigated the internal libraries (Information Bureau) Companies (Ukraine expert groups in the company) or through outsourcing organizations (Bureau Information Service). The transition from the old card catalogs to electronic databases greatly facilitate access to public information. Only in the United States, the number of electronic databases than 5000. In other countries, there is some lag in this area, but not far off those times when searching for information in the world will be done electronically. Databases will gain increasing importance due to the amount of information held in them. Information benchmarking can take the form of traditional books or articles and can be held in other media, including video, audio cassettes and software. This information can be obtained using different libraries formation that exist in Ukraine. Sometimes the information is insufficient capacity libraries. For example, in the United States for benchmarking existing service bureau conducting research on a contractual basis. These bureaus are often organizations that use large databases. In addition, there are companies that specialize in providing services in the field of benchmarking and information retrieval. They often have a special capabilities, such as access to government publications or use the information ties with government organizations. Such companies can make a complete search of information for groups of experts of the company logo. In Ukraine, the service bureau functions can perform information retrieval units of research institutes and research departments of teaching and research universities and institutes and departments create catalogs of major public and academic libraries.

There are third-party organizations and professionals that provide comprehensive and appropriate information. These include consultants, observers, financial analysts, professionals associations, providers of software. In Ukraine, these professionals can be found in the same research institutes and scientific-research institutes and universities. In recent years become popular articles in professional journals devoted to the experience of companies that engage in best practices. With the development of benchmarking there is a significant increase in the number of articles that describe the process and discuss its practical application. An important addition to the existing possibilities of benchmarking services are some professionals may also provide substantial assistance. As a result of reductions carried out in large corporations, formed a pool of highly skilled experts in the field of benchmarking. These experts have the knowledge and experience that

can be shared with beginners or those who need help in this area. These professionals are the exclusive professional life. There is a need, and making them accessible network that would provide systematic information on their opportunities. As an example, the use of experts are on standby, you can bring a case that took place at a private seminar on the development of the atomic bomb involving IV Kurchatov. According to the memoirs of academician EL Feinberg, after his performance in relation to the unit to increase neutrons in uranium-carbon environment in which he revealed the design of the device and brought the amount of uranium rod, IV Kurchatov, not being a specialist in uranium rods, recommended enlarge the hole in the shaft. EL Feinberg checked the calculations and found a feasibility proposal IV Kurchatov. In his memoirs, EL Feinberg said: "... I knew something Kurchatov not specialist in etym rods and ponyal, something Such subtleties can appear in otkuda him something, so to say, CO side. But that's not our sotrudnykov: it s me POSITION byly знакомы ...".

IV Kurchatov directly pointed out that the information agent from Los Alamos (Fuchs) on the hydrogen bomb made it possible to begin this work in the USSR earlier than in the US.

The above shows that experts from science and technology, which are kept in reserve, can always find a use thanks to the work of benchmarking experts (monitoring, competitive intelligence).

Conclusions

Significant role in the process of benchmarking in developed countries play analysts. They are also in accordance with the "Law of Ukraine on expertise" are the experts. Analysts reports contain information about financial analysis of companies and an overview of the situation in the industries. Most analysts have special expertise with respect of the companies they analyze. A common practice is to develop specialized experts brief overview of the company and the tasks to be performed by this company. This may include information about the performance characteristics of products, evaluation of new opportunities offered by the market and analysis of the strengths and weaknesses of the company. These unique knowledge can be used to demonstrate and confirm the examples decent copy, without violating the rules and do not abuse the trust. It is necessary to take into account the fact that large companies have developed a network of economic and political intelligence, have their publications and "their" journalists. Journalism also economic intelligence and counterintelligence, create the image, prestige and rating assessments are extremely closely related.

In identifying the necessary information to pay attention to the following: the number of publications positive and negative nature of the company under study and its most important competitors; Is there a

monopolization theme (theme constantly develop specific editions); consistency authors (development of a topic specific journalists).

The method of preparation is necessary for objective assessments of information using the press, systematic analysis of the facts, checking facts from various sources, systems analysis and verification hints from various sources, rumors, opinions, versions, names, using keywords (product, tool use etc.) with: domestic public sources of information; Foreign public sources; industrial and commercial accounts.

Analysis of the media should also be conducted by analysts, experts in working with the media. As an example, the use of benchmarking experts in agriculture Ukraine, can give an example of gathering information on the collection of agricultural products in developed countries, students who are in these countries practical. This information should be used to attract students of practice for harvesting agricultural products in agriculture Ukraine.

The above indicates that the use of experts, information networks and files, which contain information about past periods of the investigated firms is essential and most important method for monitoring (benchmarking) in agriculture Ukraine.

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In Article provedennyy sistemny analysis methods Search and obtain most of information effektivnyh methods Monitoring (kontrolynu and consulting "Business razvedky" benchmarking), Information and poyskovoy activities, scientific-technical literature and vyjavleny s Using of opportunities in agribusiness for Monitoring of Ukraine.

Monitoring, methods, Search, benchmarking, info, ahropromyshlenny complex.

In paper there is conducted systems analysis of methods of search and receipt of information of the most effective methods of monitoring (kontrolyngu and consulting "business secret service", benchmarkingu), informatsionno-poiskovoy activity, scientific and technical literature and are exposed possibilities of their use for monitoring in APC of Ukraine.

Monitoring, methods, search, benchmarking, information, agroindustrial complex.