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PROFESSIONAL DEVELOPMENT OF TEACHERS FOR PERFECTING OF ECOLOGICAL EDUCATION

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Absrtract. Basic condition of overcoming environmental problems of global and regional character is formirovakny future experts capable to find and to competently realize paths of optimization of environmental management on the basis of the principles of sustainable development which demands particular training of teachers. For perfecting of ecological education at universities of Belarus, Russia and Ukraine since 2014 the TEMPUS joint project supported by partner universities from the countries of the European Union is carried out. Within the project training programs are developed, distant training courses, professional development in the field of ecological education of teachers and teachers of UVO, USSO, UPTO are created and successfully approved.

The composite ecological situation which developed in the world and low level of ecological consciousness of the population dictate need of more persistent perfecting of ecological education and education. In this regard an urgent problem of education is the organization of such pedagogical process which not only formed a basis of expansion of system of knowledge of the world around, but also promoted outlook correction, reorganization of consciousness through cultural development of the person of an ecocentric orientation.

Basic condition of overcoming environmental problems of global and regional character is formirovanny future experts capable to find and to competently realize paths of optimization of environmental management on the basis of the principles of sustainable development. Greening of education demands particular training of teachers.

For perfecting of ecological education at universities of Belarus, Russia and Ukraine since 2014 the TEMPUS joint project supported by partner universities from the countries of the European Union is carried out. The Vitebsk state technological university is a participant of the international draft of the TEMPUS EcoBRU "Ecological Education for Belarus, Russia and Ukraine" program.

General purposes of the project are:

- development, distribution and use of effective scientifically based knowledge of ecological interrelations and environmental protection in Belarus, Russia, Ukraine;
- support by the national governments of Belarus, Russia, Ukraine of integration and realization of the modern ecological education in the context of a multilevel education system;
- support of system of the continuous education in Belarus, Russia, Ukraine;
- increase in ecological literacy and formation of the behavior which is not causing damage to a surrounding medium in Belarus, Russia, Ukraine.

Within the project training programs of professional development in the area of ecological education of teachers and teachers of institutions of higher education, institutions of secondary vocational education and institutions of vocational training are developed. On their basis distant training courses which allow tutoring not to depend on time and the place are created.

Within the first year of exercise of the project the analysis of the existing curricula in the sphere of general and professional education was carried out. The analysis showed what in teaching ecological disciplines is focused on theoretical training of pupils. The considered curricula contain extremely small quantity of a practical training. Their quantity reaches only 5-12% of the common volume of clocks. It confirmed weak praktiko-orientation of professional education in the field.

For definition of the main priorities of activity by university Bremen the questionnaire was developed for teachers and students concerning ecological education. 17 teachers and 20 students participated in VSTU in questioning. Besides, questioning was carried out to "Vitebsk State Industrial Teacher Training College" among students of pedagogical specialties. Respondents in answers to questions of

the questionnaire noted the interest in studying of questions of environmental protection.

On the basis of the conducted researches and the received results partner universities on the TEMPUS EcoBRU project developed concepts of advanced training courses for teachers, teachers of institutions of higher education, institutions of secondary vocational education and institutions of vocational training, their purposes and tasks, contents, a technique, volume, duration and forms of monitoring of knowledge are designated. As the priority direction formation of the praktiko-focused competence of future experts of the sphere of interaction of their professional activity with a surrounding medium is accepted.

The group of partner universities from Belarus as a part of the Vitebsk State Technological University, the Gomel State University of F. Skorina and the Polessky State University under the leadership of teachers of VSTU developed training programs of courses of increase in qualification in the following directions:

- *environmental education as a foundation of biosphere compatible activities of technosphere workers;*
- *improving of environmental education of engineering students on the basis of a practice-oriented approach.*

In 2015 the developed programs underwent process of coordination with the customer in the person of "Vitebsk Regional Educational and Methodical Center of Professional Education" and "Vitebsk State University of P. M. Masherov".

In a basis of programs for distant form of education the modular principle was underlain. The maintenance of each module meets in a varying degree requirements of separate categories of listeners. In this regard each listener can study self-contained (in whole or in part) according to the target individualized program.

In March, 2016 after development of maintenance of courses and placement them on the UO "VGTU" educational portal two groups of listeners in number of 34 people were gathered. As a part of groups there were teachers and employees of VSTU and VSU of P. M. Masherov. Within two weeks they mastered theoretical material of courses, performed practical tasks. With students a constant feed-back was carried out by the modern means of distance learning. All listeners successfully coped with test tasks and finished tutoring, having received the certificate on professional development of the state exemplar.

The first experiment of the organization of courses on distant form of education showed that for successful realization of distance learning listeners have to be experienced users of the computer, own skills of work in electronic networks and have the free access in the Internet.

In the course of discussion of contents and the organization of courses listeners expressed the satisfaction with the obtained information and a form of its giving. They noted a wide range of questions, lit in courses by ecological education, and a possibility of the choice of the most interesting and necessary information, the respective sphere of their professional activity. Development of theoretical materials of educational programs of professional development helped listeners to estimate the

prospects of development of education in the modern conditions and to find the new ideas for inclusion of an ecological component in the disciplines taught by them. In too time distant form of education allowed participants of courses to define self-contained tutoring time, proceeding from the daily load.



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LABOUR MARKET INFORMATION SYSTEM IN BELARUS: MICRO LEVEL

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Key words: labour market information system, jobs anticipation.

Abstract. The article discusses features of labour market information system (LMIS) development in Belarus at the micro level. The article analyzes available information resources to determine the future needs for staff, which are based on the request data from enterprises. Their bottlenecks are shown. The ways of improving the system of information collection about future staff needs of enterprises are determined.

Labour market information system (LMIS) is characterized by ILO's professionals as the following: "Any information concerning the size and composition of the labour market (labour supply and demand and their interaction), or an part of the labour market, the way it or any part of it functions, its problems (in terms of entering the market and maintaining a balance between supply and demand in the market), the opportunities with may be available to it, and employment-related intentions or aspirations of those are part of it" (ILO Study). An important role in LMIS development belongs to the micro level (businesses and organizations which create demand for labour force, educational institutions which are in charge of training demanded quantities of labour force). It is data on vacancies provided by businesses that make up information about prospective demand for personnel.

Currently LMIS is being developed in Belarus. The key role in development of LMIS in Belarus belongs to three major ministries – the Ministry of Economy, the Ministry of Labour and Social Protection, and the Ministry of Education, where each of them conducts its own survey:

1. The Ministry of Economy makes prognosis on the number of employed according to the types of economic activities (based on queries to sectoral ministries