"Edukacja – Technika – Informatyka" nr 1/15/2016 www.eti.rzeszow.pl DOI: 10.15584/eti.2016.1.21

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The motivation for the introduction of the environmental management of the higher education institution

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Abstract

It has been studied the experience and theoretically proved the need to develop an environmental management system and environmental policy implementation institution of higher education in the context of globalization of higher education for sustainable development.

Key words: Environmental Management System, Environmental Policy, Institution of Higher Education, Sustainable Development.

Introduction

Taking into account the future impact on the environment at the stage of planning policies, plans and programs are not legally binding in Ukraine, unlike the EU legislation and domestic entities did not establish an effective environmental management system. Integration of environmental policy into sectorial policies, the environmental component is obligatory consideration when drawing up strategies, plans and programs of Ukraine, the introduction of environmental management in enterprises, the greening of economic activity are the way to the modern sector of environmental policy, implemented in many countries.

Sustainable development of higher education is considered as a continuous process for the modernization of higher education institution partiality requests in the region without disrupting its security (balance) to improve the quality of (educational, research, innovation, economic, etc.) as an active academic community and its future generations. Higher education institutions (HEIs) need to define their objectives, taking into account current and future needs of society, based on the fact that higher education is essential to achieve the required level of sustainable development, improvement of living standards and national and international harmony and peace based on human rights, democracy, tolerance

and respect. In determining priorities for their programs and structures universities have to use their autonomy and high academic level in order to promote sustainable development of society and address the problems that will confront them in the future.

Analysis of recent research and publications

In the field of environmental education and science has accumulated significant developments that cover various aspects of implementing an environmental management system and environmental policy institutions - the study of environment management systems (Yu. Zlobin, S. Kalinovski, A. Kutsenko, N. Nazaruk, Ye. Pashkov, M. Pustovoyt etc.); environmentalists staged training problems (G. Biliavskyi, M. Drobnokhod, V. Nekos, N. Ridei, A. Sozinov, S. Stepanenko etc.); theoretical and practical bases specialists environmentally significant decision-making (V. Bakumenko, M. Bilynska, A. Vasiliev, A. Degtyar, D. Karamyshev, N. Kardanska, B. Lytvak, V. Malynovsky, N. Meltiuhova, N. Myronova, N. Nyzhnik, G. Odintsov, R. Fathutdynov etc.); implementation of the principles of sustainable nature of professional training for future ecologists (V. Getman, M. Klymenko, L. Kozhushko, L. Melnyk, V. Navrotskyi, Yu. Satalkin, T. Safranov, P. Skrypchuk, I. Soloshych, T. Trushyna, M. Shapochka, V. Shevchuk, V. Shmandiy etc.).

Formulation of article purposes

The purpose of research is to study the theoretical justification and useful experience forming system of environmental management and implementation of environmental policy institutions in the context of globalization of higher education for sustainable development.

The main material

Higher education institutions should develop their activities to provide for prevention and warnings when it detects predictable risks and uncertainties during the system analysis of social, cultural, economic and political trends based on political and trans disciplinary approach with emphasis on the formation and spread of modern fundamental ecological knowledge, including sustainable development, organization of intercultural dialogue and promotion of noosphere culture in the world.

Any educational institution as a whole, including all members of the educational process (students, post-graduate students, doctoral students, teachers, scientists, administration and staff), as well as other stakeholders including parents and employers and the public should follow the principles of sustainable development.

The goal of environmental policy of institutions is to stabilize and improve the environment – territories and objects, which are in the jurisdiction of the institution by integrating the principles of the state, regional, sectorial and institutional environmental policy in all spheres of social and economic institutions (educational, research, industrial, international, scientific and technical, innovation, business and so on.) to ensure the environmental safety of the environment and human life and health, professional growth (students, teaching staff, employees), introduction of environmentally balanced system wildlife management and conservation of natural ecosystems.

After analyzing the environmental practices of World Universities (mainly US and EU) the ways of the implementation of the environmental policy and university have been highlighted: first — development and self-determination principles of environmental policy without experience leading universities; the second (more optimal) — the development of normative documents of the organization consider the practice of sustainable development Talloires Declaration, signed at the International Conference (Talloires, France, 1990), and it is the first official statement of 440 universities world leaders from 50 countries. By this agreement institutions demonstrated their commitment to the principles of sustainable development in higher education. The Declaration is a plan of action to implement the principles of sustainability in all areas of the university — from educational and research to business. Institutional authority is an international association of University Leaders for a Sustainable Future (ULSF), which is in the United States.

ULSF activities aimed at promoting global environmental awareness and sustainable development through the implementation of environmental education and formation noosphere consciousness, namely the dissemination of information on environmentally sustainable development; creating the basis for sustainable development of culture; formation of the responsible attitude of the society to the environment; promoting environmental awareness and general knowledge; application in practice of environmental programs; involvement of all stakeholders; ensuring an integrated approach; collaboration primary and secondary schools; stimulating education and advocacy in each participating country and abroad and the continued support of the green movement.

For joining the Association it is necessary to fill in only the prescribed form letter on signing a Talloires Declaration of the sustainable development and mail addressed to the Secretariat ULSF.

The basic first step in implementing Universities of sustainable development at every level is the formation of officially-defined environmental policy (outlining the content of the environmental performance of teaching staff, staff, students and administrative staff), which is initiated by the head of the university and realized (controlled) by approval and implementation of the "Strategic Plan for Universities" to achieve common goals and initiatives of that declaration universities.

Analysis of the information and instructional materials to ensure the responsibility for creating a sustainable control for the objectives and commitments of sustainable development of Universities declared in the "Environmental Policy Universities" is a necessary step towards institutionalization of sustainability. This responsibility is the most effective if there is a responsible person (or body structural institutions) for coordinating activities to achieve the principles of sustainable development and the corresponding committee (scientific-technical or scientific-practical) examination of sustainability. In contrast to the Ukrainian, in some foreign universities office coordinators established (or branch) to meet these needs, an example of which is the position of director of the Center for Sustainable Development of Universities – coordination of the structural unit (control) environmental activities.

We believe that the implementation of the principles of ecological (environmental and natural resource) of the universities activities should be ensured by gradual introduction of an environmental management system (management) according to the international standards and conduct of the strategic environmental assessment procedures through environmental monitoring, internal environmental auditing, certification, environmental assessment etc. Thus, environmental activities should be based on clearly defined and declared environmental policies of higher education.

Therefore we believe that the university should be directed not only at ensuring compliance with state or international technical regulation (standardization, metrology, certification), but also on compliance with the existing legislation (including environmental) and optimization of the environment by creating environmental and security environmental management.

The priority areas in achieving policy objectives are: integration of the environmental protection aspects in all areas of training, research, economic activities on innovative principles; promote and increase awareness of all stakeholders on the effectiveness of implemented environmental measures provided for environmental policies and practices environmentally significant decision-making; involvement of students, teaching staff, employees and other stakeholders in the university to jointly address environmental problems at different organizational levels (local, regional, national and international); implementing policies procurement of products (goods and services) that improve or cause the least damage to the environment and human health (in time and space) and reduce consumption of raw materials (including fuel, water and energy); realization of long-term waste management strategy (including structural units) to reduce the total waste production and increase their recycled components; encourage and promote the use of alternative modes of transport (bicycles, electric cars, etc.) on campus.

Conclusions

In order to achieve the selected priorities and the formation of an effective environmental policy of Ukraine universities, we believe that it is advisable to take the following steps: 1) make a request from the university and the accompanying letter of request to the Secretariat of the Association of Leaders of Universities for a sustainable future to join the Talloires Declaration of sustainable development; 2) create a university scientific and methodological commission on examination sustainability of high-tech products and the legal provision of environmental institutions; 3) taking into account the principles of environmental policy that declared in Talloires Declaration and the Law of Ukraine "On main principles (strategy) state environmental policy until 2020", to develop and coordinate between relevant agencies NUBiP of Ukraine project document "Environmental Policy NUBiP of Ukraine" for further approval Universities Academic Council; 4) based on the approved document to develop and adopt a longterm document "Strategic Plan for the implementation of environmental policy NUBiP of Ukraine" with the revision every five years; 5) gradually establish and accredit environmental management system in NUBiP of Ukraine in accordance with international standards ISO 14000.

Considering the above, activities of the universities of Ukraine and all of the world, scientific, public institutions and associations, which are aimed at the educational sphere, should assume the obligation to do everything in their power to ensure that every country and supranational organizations, formed its environmental policy, based on the regulation of the Talloires Declaration, that expresses the freely determined and declared desire.

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