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Scientific support for policy state environmental programs, the importance of education

National Program of national ecological network in Ukraine for 2000–2015 (Resolution number 1989-ASE III from 21/09/2000), divided into two phases: 2000–2005 and 2006–2015.

At the 1-st stage: increasing the area of national ecological network, used economic leverage to organize all forms of land ownership, created a complex legal arrangements, the necessary research and educational objectives of the vocational training of competent personnel. At the 2nd stage show provided an area of national ecological network provide to the level required for the formation of ecological security and environmental conservation measures of landscape and biological diversity [Закон України Про Загальнодержавну програму формування...].

A comprehensive program to eradicate the effects of flooding areas in cities and towns of Ukraine for 2003–2030 years (CMU № 160 from 15.02.2002) on the first phase (2003–2005) ahead with urgent measures to eliminate consequences of the harmful effects of water in urban areas and settlements, which are exposed to high risk, preventing the development of emergency situations. The second phase (2006–2010) provided the reduction of factors of flooding and elimination of negative phenomena and contributed to the formation of safe living conditions. The third stage (2010–2030) - long-term perspective that will restructure the economy based on sustainable development and conduct of science-based strategies using economic mechanisms to achieve the stipulated performance and the introduction of modern curricula in Economics of Natural Resources and Environmental Management Strategy.

The first phase (until 2006) National Program of Development of Water Management for the years 2001–2011 (Parliament resolution N 2988-III from 17.01.2002) implemented conditions to improving for the provision of water, and it formed the measures to prevent pollution and depletion of water resources to achieve guaranteed drinking water supply, hydroelectric power saving, reliable protection from the harmful effects of water. It was a complete legal framework for regulation of water relations and water protection activities and

adapted water legislation of Ukraine to the European Union. The second phase (2006–2011) - continue implementation of priority projects and large-scale actions to update and reconstruction of water supply systems of urban and rural population, industrial enterprises, as well as prevention and ingress of contaminants into water bodies. Water bodies proof to the requirements of key standards ensure the safety of the population. Projects are being targeted to achieve a balance between water demand and available water resources in compliance with environmental requirements. The program is carried out through education, training, information, public participation in solving environmental problems of hydro, which provides:

- improving the economic and legal education including environmental law, training of water management, in use, protection, restoration of water resources with increasing their skills and professionalism in the fields of management, the level of environmental culture and awareness of citizens of the country, including the coordination of activities schools on environmental education;
- informing about the problems of water management and environmental rehabilitation and analysis of legislation in the field of water resources and cooperation of non-governmental, public institutions for rational use and protection, improving ecological health, promote environmental organizations to protect and preserve water bodies at the state and local levels.

Implementation of the program will provide the balance of the use and reproduction of water resources, reduce the negative effects and improve the social conditions of life, provide the country with drinking water [Закон України Про Загальнодержавну програму розвитку...].

The objectives of the Integrated Program at the national level of decisions taken at the World Summit on Sustainable Development for 2003–2015 (Resolution of Cabinet of Ministers № 634 from 26.04.2003) is to reduce poverty, improve living standards, and ensure its employment, stabilize the social situation in State energy efficiency of production processes, technological re-equipment of production, development of knowledge-intensive industries, increased use of renewable energy sources and to maintain ecological balance and improve environmental education.

The program implementation provides a comprehensive systematic approach to public policy on the principles of sustainable development, focusing on economic growth, social development, creating safe conditions for human life and restoring the environment. At present, we can conclude that most of the tasks performed in part, their full impact can be judged only after the expiration of the program [Комплексна програма...].

Program cease production and use of ozone-depleting substances in the years 2004–2030 (CMU № 256 from 04.03.2004) provides time to stop using ozone-depleting substances chlorofluorocarbons by 2006 – a 35 percent 2008 – 65,

2010 – 85, 2014 – 100 percent, gallons by 2005 – a 5 per cent, 2008 – 20, 2010 – 30, 2015 – 55, 2020 – 80, 2030 – by 100 percent. Set terms for consumption of hydrocarbons hydrochlorofluoride up to 2004 – a 35 per cent, 2010 – 65, 2015 – 90, 2020 – 99.5, 2030 – by 100 percent.

It took almost half the time, but the population has no access to information on the use of ozone-depleting substances that are not popular training programs for domestic use, and significant changes we almost never see, although the forecast of experts of the UN environment, compliance with the Montreal Protocol can provide in 2050 restoring the ozone layer to the level of 1980 [Постанова КМ України Про затвердження Програми...].

Comprehensive program landslide measures for 2005–2014 (CMU № 1256 from 22.09.2004) in two steps. In the first phase (2005–2007) specified limits and engineering-geological conditions of the landslide hazardous areas, ensure the functioning of the regional branch of engineering protection of territories, industrial and residential buildings and structures from landslides, developed a scientific and methodical and informational support for anti-measures. In the second phase (2008–2014) work of improve the scientific methods and information of landslide events, monitoring, geotechnical stability danger dislocation areas and their engineering-geological studing is provided.

At the second stage the work analysis of preventing and eliminating flooding, and acceptance of planned measures to protect against the harmful effects of waters of villages and farmland, and consequences of flooding areas in cities and towns is conducted. Condition providing of the population of danger dislocation areas, reducing the economic, social and environmental losses from landslides and risk of emergencies. The level of safety accident-free operation of residential and industrial facilities, scientific and methodological basis improving for the implementation of landslide events, improved coordination of activities of state and regional level, defined boundaries danger dislocation areas, the main factors of change and intensify measures to prevent them. Appropriate level of public awareness on issues of landslide events are provided. It remains an important task of designing, implementing and providing educational programs and training of professional personnel integrated management of water and land resources.

State targeted environmental program of environmental monitoring for 2008–2012 (Resolution of Cabinet of Ministers № 1376 from 05.12.2007) in the first place ensures its implementation arrangements. The effectiveness of its implementation ensures the efficiency of decision making in environmental protection, natural resources and, consequently, reducing the cost of solving the problems of ecological safety. The main task - meeting the needs of executive agencies, local governments, academic institutions and the public in an objective, reliable information about the state of the environment [Державна цільова програма...].

State Program of development of Ukrainian rural areas by 2015 (CMU № 1158 from 19.09.2007) provides the immediate measures to ensure the development of agriculture and rural areas according to the amounts and sources of funding – the preservation of rural areas and providing them with facilities social infrastructure. Their task is to increase employment while increasing wages of agricultural workers and domestic production of agricultural products to the extent that guarantees food sovereignty of the country on the agricultural market. This includes updates and technical base of agriculture to 15% each year, the total amount of organic products to 10%, implementation of basic agri-environmental requirements and standards in accordance with EU regulations. Accordingly, there is a need to provide educational services to legal and technical regulations and standards for elementary, basic and secondary education [Постанова КМ України Про затвердження Державної цільової екологічної...].

The national target program „Forests of Ukraine” for 2010–2015 (CMU № 977 from 16.09.2009) provides increased resources and ecological potential of forests and forest management on the principles of sustainable development, improving the sustainability of forest ecosystems, their protection, security reproduction, rational use of hunting fauna of forest resources, improving management of effective forest economy, which requires highly qualified personnel for environmental management of forest ecosystems [Постанова КМ України Про затвердження Державної цільової програми „Ліси України”...].

Activity of the National Target Environmental Program of Radioactive Waste Management solves the problems of the needs of creating infrastructure for radioactive waste (resolution number 516 ASE-VI from 17.09.2008).

The program implementation provides an appropriate level of environmental education radioactive safety and protect the environment from harmful effects of radioactive waste in the implementation of innovative systems of handling, reduction of social and psychological stress and improve quality of life, professional training for management radioecologists [Закон України Про Загальнодержавну цільову...].

Analysis of promising state environmental programs confirms the need for social development stage of future environmental training programs for bachelor and master training: basic direction – the production direction „Ecology and environment”: environment and protection of water resources, agricultural sphere, environmental control in the agricultural domain: monitoring, certification, expertise; research – „Systematic analysis of environmental quality and ecological safety”; specific categories – expert control – environmental standards and certification, environmental impact assessment and control of environmental management – environmental management); – the government – public administration of environmental safety.

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Abstract

In article showed state environmental programs in Ukraine and analyzed their important role for society.

Key words: environmental program, state program, master program, bachelor program, environmental science.

Wsparcie naukowe polityki państwa w zakresie programów ochrony środowiska – znaczenie edukacji

Streszczenie

W artykule określono stan programów ochrony środowiska na Ukrainie i przeanalizowano ich znaczenie dla społeczeństwa.

Słowa kluczowe: program ochrony środowiska, program państwa, program studiów magisterskich, program studiów licencjackich, środowisko naukowe.