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## **Role of education and science in promoting of term state environmental programs**

Complex coordinated policy measures aimed at organizing and coordinating the activities of environmental protection, environmental safety, rational use and reproduction of natural resources. State environmental programs developed and approved for national, international, regional, and local levels. According to the program 6 st. 85 of the Constitution of Ukraine, the powers of the for approval of national environmental belongs to Verkhovna Rada of Ukraine (parliament).

State environmental programs include measures to stabilize and improve the environment of Ukraine or its components (air pollution, water resources etc.). State-level environmental program is defined as a single policy for environmental protection and rational nature, which should be implemented through appropriate regional program. Preparation and implementation of state environmental programs are carried out with the requirements of current legislation of Ukraine and international agreements is signed by it. Program focus areas: the need and develop a brief rationale, the main purpose and terms of implementation, characteristics of the current state of problem solving in which it is directed, the priority areas of action to achieve the ultimate goal; stages of the tasks and deadlines for their implementation, a set of measures that must be performed at each stage, the approximate calculation of the cost of its implementation, sources, mechanisms and control them, financing, expected results of measures and their compliance with the main aim forecast for the state of the environment on the stages of the program.

According to the Law of Ukraine „On Environmental Protection” (1991) and Regulations about development of environmental programs approved by the Cabinet of Ministers of Ukraine (CMU) 31.12.1993 analyzed programs are developed and acted.

Program long-term development reserve affairs in Ukraine („Reserves”) (VRU Resolution № 177/94 from 22.09.1994) is carried out in stages, namely:

- formation based on natural and biosphere reserves, national parks, botanical gardens, protected areas of regional national and international training center for reserve management capabilities by organizing relevant departments, offices, introducing special training courses for them and dendrological and

zoological parks, monuments, landscape architecture and other areas as well as for environmental and patriotic education of citizens;

- revision of educational plans and programs pre-school, secondary, higher education and professional organization involvement of relevant international organizations on the courses of professional development in the Reserves [Постанова ВР України Про Програму...].

To facilitate the development of environmental education, awareness and proper education of the Ukraine population, National Program for Ecological Rehabilitation of the Dnipro river and drinking water quality (resolution of Parliament from 27.02.1997 № 123/97-VR) provides:

- Improvement of information on environmental problems of the Dnieper, raising environmental awareness and the degree of participation in environmental events, coverage in the media issues of environmental rehabilitation of the Dnieper, assistance from state environmental agencies economic objects of water-regulated activity;
- Improvement of professional training for the national economy, providing the level of environmental culture and citizens awareness of the country with environmentally using of the water and protection of water sources, and bringing private and public organizations to implement environmental policies, projects targeted training in water management, protection and restoration of water resources in the basin, publishing practical manuals and organization of training professionals, providing opportunities for environmental agencies and their leaders in the development and application of economic activities through training and information exchange [Постанова ВР України Про Національну...].

Focus on improving the ecological condition of the seas contributed to the National Programme Protection and Rehabilitation of the Azov and the Black Seas Programme for 2001–2010 (Resolution of Parliament № 2333-III from 22.03.2001).

Priorities for solving the basic problems of the ecological state of the Azov and the Black Seas:

- Reducing pollution, anthropogenic pressure on ecosystems and reduce the risk to human health;
- Conservation and restoration of biological diversity, natural landscapes of coastal habitats and species, expanding the network of state parks, nature reserves, national parks and a rational use and reproduction of marine biological resources and prevent the destruction of the sea coast and conservation lands in the coastal seas to improve system monitoring to assess the impact of environmental factors on the environment;
- Adoption of integrated environmental management within the water protection zone of the seas, coastal and territorial waters of Ukraine and public involvement in implementing environmental protection measures and improve environmental education and education of the population.

State scientific and technical program of topographic and geodetic activities and national mapping for 2003–2010 (CMU № 79 from 21.06.2004) developed

to the Decree of President of Ukraine „On improving the mapping of state and other needs in Ukraine”.

On the first phase, conditions are formulated for the development of topographic and geodetic activities the national mapping, improved mapping needs, the second phase assesses the effectiveness of topographic and geodetic activities, national mapping, geographic information is created based, operating system updated. Geographic information systems of supporting decision making and monitoring of the environment, is done the users brought an updated topographic survey and mapping products and the conditions for Ukraine's integration into European and global geospatial data infrastructure.

The level of satisfaction of social needs in highly qualified specialists in the field of geodetic and cartographic activities of state bodies, local government, economy, science and education [Focus on the Structure...].

National Programme of Fisheries of Ukraine till 2010 (the Law of Ukraine № 1516-IV from 19.02.2004) reached the amount of catching fish and other aquatic resources at the level of 750 thousand tons, increased bioproductivity of freshwater ponds, rivers, lakes and reservoirs, trained and created more jobs in the field of fisheries. The level of demand for products and services, shipbuilding, machine building, transport, agro-sphere [Закон України Про Загальнодержавну...].

In order to ensure economy of Ukraine very scarce own kinds of minerals the National program of development of mineral resource of Ukraine till 2010 (the Law of Ukraine № 3458-IV from 22.09.2006) is adopted. Based on the formulation and implementation of annual plans for social and economic development of Ukraine carried out the complex organizational, legal, scientific and technical measures aimed at solving the problems of mining and mineral resources to attract funding to study the geological potential, conducted technical re-equipment of enterprises and provided training for the geological field.

It promotes discovery and exploration of new fields of fuel and energy resources, improvement of the mineral resource base of existing mining enterprises of Ukraine, product quality, implementation of the right kinds of mineral raw materials which are imported from other countries, the development of mineral resource base critical strategic minerals, preparation of new fields for exploitation. Special works of these areas was conducted only on the most important sites, which provide raw materials operating industrial enterprises or allow others to decide priorities of economy and environmental protection, delays in implementation are intolerable [Закон України Про затвердження Загальнодержавної...].

A comprehensive program of priority rural areas that utilize imported water, centralized water supply in 2001–2005 (CMU № 1735 from 23.11.2000) contains measures establishing centralized water supply where prevailing poor situation of drinking water in the first stage and prognosis by 2010 on reconstruction and construction group or local systems, and new water systems in the second. During which provided high-quality water about 570 settlements, due to conducting scien-

tific support and develop research, design and survey, construction, maintenance work to build water systems and training on water management and sanitation [Постанова КМ України Про Комплексну...].

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### Abstract

The article analyzes the state environmental programs and established the role of education and science to ensure their implementation, maintenance and reproduction of natural resources of Ukraine.

**Keywords:** National Programme, Education, environmental programme.

### Rola edukacji i nauki w promowaniu programów TERM STAN z ochrony środowiska

#### Streszczenie

W artykule analizowany jest stan programów ochrony środowiska i określone role edukacji i badań naukowych w celu zapewnienia wdrożenia tych programów, dla utrzymania i odtwarzania zasobów naturalnych na Ukrainie.

**Słowa kluczowe:** Narodowy Program Edukacji, program ochrony środowiska.