

the ecological culture increase purpose. Teaching experience through collaboration, through priority of moral values remains property of not many socially responsible teachers. Insufficient desire to use the perspective methods of teaching, which were offered by sociologists in the programs, makes teaching ineffective. The vagueness of aims of ecological education in the general system causes the unwillingness of teachers to accumulate experience by the study of new more effective methods, and application of amotivational knowledges is not possible in modern terms.

Taking into account imperfection of education system in our country, the individual people aspiration to promote an ecological culture remains the priority. The most leading role is herein played by information technologies, due to which intellectual capabilities develop, an ecological culture is educated, availability and efficiency of the most ecological education through the informative providing rises (knowledge and information bases). Multimedia, in particular, help to expose individual possibilities, and today hypertext, as teaching mean, already begins to be actively used in an educational process, making contribution to perfection of teaching individualization.

It is necessary to educate sense of responsibility of everybody for what is going on in the world, labouring for clear consciousness of interdependence of man and nature. This enormous important task lies down, foremost, on the education systems and facilities of mass informatization of society.

## **THE MONITORING AND ACCOUNTING IN THE SYSTEM OF ECOLOGICALLY SUSTAINABLE NATURE MANAGEMENT**

*Wolodymyr Hryniv,  
Lviv Commercial Academy, Ukraine*

Ecologically sustainable nature management should be based on accounting and a long-term and all-round monitoring of environment. In present Ukraine it does not exist which hinders sensibly the ecological by stability of nature management. Creating database in order to assess the biodiversity and landscape diversity of the country and to support those systems of nature management that defends biological species should become a priority task of such monitoring.

An important step in solving this problem could be the foundation of Ukrainian informational center that would deal with ecologically sustainable economic development and have its subdivisions in regional and local bodies.

The creating such center will make state management in the sphere of nature management more effective. It will be possible due to:

registration, active analysis and accounting of economic necessity to exploit the natural resources of local territories in the qualitative and quantative aspect;



existence of database about natural objects that need special care for the amount of their usage;

preparation of optimum decision variants so as to avoid an ecological risk;

providing with the informational and management connection between all three state branches.

Overall functioning of such center should ensure a proper monitoring of ecological sustainable of using natural capital in the country.

Transition of national economy to the model of ecologically sustainable development should be enforced on the basis of the following principles:

following spatial biophysical criteria of ecologically balanced management;

creating socio-ecological programs of developing the territories that provide for implementation the number of measures towards the ecologically balanced nature management;

improving territory proportions of economic development due to more efficient use of regional potentials towards the natural and human resources;

adjusting industrial objects to using ecologically clean technologies and producing the corresponding goods that are aimed at decreasing energy and material consumption. It is also important to take into consideration a biophysically necessary capacity of local systems;

all-round increasing of ecological wealth and informational services through the creating new scientific technologies of balanced nature management, taking into consideration biophysical peculiarities of natural potential of each region;

elaborating permissible limits of action in nature management inside the local territories.

## **PROGRESS TRENDS OF WIND ENERGY IN UKRAINE**

*Natalia Ishchenko, Olexander Kosarev,  
Sumy State University, Ukraine*

Modern powergenerative technologies are orientated mainly on incineration of the fossil fuel accumulated by nature for a long period of time. Many scientists are counted, that such way can bring humanity over to the catastrophic consequences, shown above all things in formation of environment useless for life. Very big interest appears to the untraditional sources of receipt of energy, including to wind energy.

For the modern technical level of wind energetic options we can use districts with average annual speeds of wind 5 m/s. Therefore the preliminary estimate of wind descriptions of territory of Ukraine is given with the use of this criterion. 214 weather-stations for a long period of time testify the analysis of these long-term supervisions that in Ukraine winds prevail from 0 - 5 m/s. But experience showed that data was given about average annual speeds of wind, got the weather-stations of Ukraine, useless for production of electric power by windy power-stations, because their error very often makes 40-70%. General power of perspective wind power