CREATION OF ECOPOLIS "ECO-SUMSCHYNA" ON THE TERRITORY OF SUMY REGION

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Urbanization processes, which has dynamically developed during the last centuries, caused the list of economic, ecological and social problems, gathered in the unique combination in any concrete territory.

Therefore there is a necessity to develop conceptual approaches and organizing preconditions for forming of research-production-education complex (ECOPOLIS). It would function for creation and selling ecologically sound goods. These goods might become a source of getting additional capital for the territory and besides would be able to solve a considerable part of mentioned problems.

Preconditions for creation of ECOPOLIS "Eco-Sumschyna" on the territory of the region are:

- territory of the Sumy region is environmentally clean (according to UN data Sumy region is one of the six Ukrainian regions and the only on the left side of Dnipro with satisfactory level of ecological pressure) (picture 1);
- research-production-education complex of the region fits to creation of ecologically sound goods (the region is a traditional centre for self-generated ecological initiatives, manufacturing ecologically sound goods and technologies at machine building and device building industries, agrarian complex, energy sector, education, social and cultural sector);
- historically the Sumy region has traditions for sustainable development of territories. Real ECOPOLIS of Neplyuyev Labour Community existed on the territory of the present Sumy region more than one hundred years ago. During forty years the Community was a unique socio-economic phenomenon of environmentally sound life style and vital activity. The first in the Soviet Union system of payment for nature use was introduced in the late of 1980-s with further systems' spreading into the other parts of the country).



Picture 1 – Results of integral ecological estimation of Ukrainian regions

Creation of ECOPOLIS gives an opportunity to reach the complex of economic items: manufacturing of competitive products; enlargement of export region potential; increasing a share of scientifically based products; rising of production effectiveness due to decreasing of resource intensity; reduction of needs in initial resources; getting opportunities to create additional labor places; improving the region's image due to specialization on social goods; involving investors to realization of ecological projects, enhancing creative component in labor organization and opportunities of creative self-realization; promotion of environmental consciousness among the population and forming ethical attitude to the environment.

The main instruments of projects' realization are:

- legal measures (setting up and realization of rulings (concepts, programs etc.);
- rising the level of ecological education at preschool, school, high school and post-graduate levels);
- organizing measures (creation of associations, clubs, NGO's etc.);
- informative measures (press-conferences, competitions, PR-companies etc.);
- economic measures (tax privileges, privilege credits, penalties etc.);
- ecologically sound goods and services (table 1);
- ecologically sound technologies (table 1);
- ecologically sound communications (transport paths, lines providing delivery and exchange of resources, products and resulted in decreasing ecologically destructive influence on the environment).

Table 1 - Classification of ecologically sound goods according to their functions

No	Function	Example

	A 1	
1.	Administrative	 technologies of social systems' management
—— <u>6.</u> 2.	Trade and	 services on selling ecologically sound goods know how;
2.	Scientific	
7.	Education	scientific documentation; (textbooks, guidebooks educational materials (textbooks, guidebooks etc.); etc.); of plants breeds of animals; educational technologies (methods of education education etc.)
		design or technological documentation etc. and training programs conducting);
		 mass media materials
8:	Production Environmental	nature saying equipment (filtration facilities control fechnologies for nature systems and their devices for lands' recultivation etc.);
	management	devices for lands' recultivation etc.);
	management	 moniforing systems:
9.	Urban	technologies of technologies of technologies
4.	Exposement	creation of ecologically sound
10.	Art and culture	goodslture-purposed goods and services
11.	Information	 services on gathering and processing ecological
5.	Organizing	information on promotion of ecologically sound
12.	Auditing	goods into the markets; ecological auditing; and consulting managerial technologies
13 .	Financing	 financial control and providing effective use of
		resources in ecological sphere
14.	Social and	 technologies of influence on social systems to
	psychological	implement ecologization of economic system and
	psychological	society
15.	Health	services on health protection
	protection	r
1	protection	I .

In the case of successful implementation of the major organizing forms of ECOPOLIS at the regional level, the experiment can be realized for innovative transformations in the other Ukrainian regions forwards sustainable development.