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EASTERN PODILIA AS STRUCTURAL-FUNCTIONAL SYSTEM OF EUROPEAN ENVIRONMENTAL NETWORK

Oleksandr Mudrak³, Yuliia Ovchynnykova¹, Galyna Mudrak², Oksana Nagorniuk³

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Abstract

Biodiversity conservation is one of the most important tasks of the human community to achieve its sustainable development. This task was formulated in 1992 in Rio de Janeiro in the Program of Action "Agenda 21", the UN Convention on Biodiversity, the World Ecological Summits' documents, the Pan-European Strategy for the Conservation of Biological and Landscape Diversity. According to the recommendations of the latter, the Pan-European Ecological Network was developed as the only spatial-functional system of the territories of European countries with a natural or partially altered state of the landscape. Most of the European Union countries have already moved from the strategy of preserving biodiversity centers through their protection to the strategy of creating national ecological networks. In Ukraine, this process is only gaining momentum. This is due to a number of obstacles: the emergence of new forms of ownership and large-scale licensing of land, forest and water use. The national ecological network must meet the requirements of its functioning in the pan-European ecological network and perform the leading functions of biodiversity conservation, balanced development, non-exhaustive use of biological resources in economic activity. Eastern Podilia occupies 4.5% of the state territory, it is located within the most cultivated Right Bank Forest-steppe. Therefore, the problems of preserving and reproducing its biodiversity, stabilizing the ecological balance, increasing the productivity of ecosystems, and ensuring balanced development of society is extremely relevant. Based on scientific approaches, the scheme of the regional ecological network has been developed, which distinguishes the following structural elements: key, connecting, buffer and recovery territories, their geographic confinement, area, status. They have 4 levels: international, national, regional, local. At present, it is formed by 24 key, 16 connecting and 60 renewable areas. The number and area of buffer zones have been cleared up. The total area of the ecological area is 884087,53 hectares, which makes 33,37% of the total area of the region. World experience defines the biological balance of the territories only if at least 60% of the natural ecosystems are present. Therefore, the ecological network of the Eastern Podilia needs to be substantially improved on the basis of detailed research of all its structural elements.