

SECTION 6. ECONOMY OF NATURAL RESOURCES MANAGEMENT AND ENVIRONMENT PROTECTION

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PROBLEMATIC ASPECTS OF STRUCTURING AND FORMATION OF AGRICULTURAL LAND USE

The article discusses the concepts of system and model of land use. The directions of optimization of the land use system under different scenarios are determined. The necessity of taking into account design constraints in the formation of the land use system is substantiated.

Natural resources, in the context of "land", are taken to be those components of land units that are of direct economic use for human population groups living in the area, or expected to move into the area: near-surface climatic conditions; soil and terrain conditions; freshwater conditions; and vegetation and animal conditions in so far as they provide produce. To a large degree, these resources can be quantified in economic terms. This can be done irrespective of their location (intrinsic value) or in relation to their proximity to human settlements (situational value).

Environmental resources are taken to be those components of the land that have an intrinsic value of their own, or are of value for the longer-term sustainability of the use of the land by human populations, either in loco or regional and global. They include biodiversity of plant and animal populations; scenic, educational or research value of landscapes; protective value of vegetation in relation to soil and water resources either in loco or downstream; the functions of the vegetation as a regulator of the local and regional climate and of the composition of the atmosphere; water and soil conditions as regulators of nutrient cycles, as influencing human health and as a long-term buffer against extreme weather events; occurrence of vectors of human or animal diseases. Environmental resources are to a large degree "non-tangible" in strictly economic terms.

In the framework of an integrated, system approach to land use planning, the distinction is somewhat artificial, as environmental resources are part of the set of natural resources. However, it still serves to group the tangible from the non-tangible components, and the directly beneficial at local level

from the indirectly beneficial components of human life support systems.

Development of rational use and protection of land resources can be viewed as a change of consciousness landowners and land users in relation to the land objects, which resulted expect sustainable extraction of useful properties of the land and recovery of qualitative state a natural resource. Economic incentives sustainable agriculture land use in agricultural economics Ukraine still untapped. Remain unresolved many of the problems of organizational and managerial nature relating to economic encourage land owners and land users. Practical application of economic instruments for the regulation of land relations based on a qualitative assessment of soil creates important prerequisites for the implementation of land security measures landowners and land users and increases their financial responsibility.

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