

CHANGES IN LAND USE IN THE LAST CENTURY IN THE SOUTH PART OF MOLDOVA PLAIN

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Abstract

In the last century in the south part of Moldavian Plain took place major land use changes, with irreversible repercussions on the geographical landscape. This changes can be evidenced by the success of the use of topographic maps at different scales, published in 1894, 1961, 1984, or of orthophotoplans made in 1970 or 2005. At the same time the use of specific programs related to GIS analysis (such as specialized software and ArcGIS or TNT Mips v. 6.9) allowed us to extract quantitative values of surfaces with different land uses. Correlating the data obtained and using classification system proposed by European environment Agency through the Corine Land Cover programme (in 2000 and 2006) for the southern part of Moldavian plain seen a series of changes in land use imposed by numerous legislative and socio-economic modifications. The most spectacular changes were observed in the occupied areas with wetland vegetations. These areas in the last century was occupied with parts of villages or towns (most of them in Iasi area) or with lakes or agricultural lands.

Key words: changes, land use, areas, Corine Land Cover, Moldova Plain

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