

**PLANNING MULTIFUNCTIONAL AGRICULTURE  
A CASE STUDY FOR ECOLOGICAL MODEL CENTRE OF BABAT VALLEY**

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**ABSTRACT**

The role of and the approach to the countryside and the environment has undergone dramatic changes in recent decades as relations between sustainable, multi-functional agriculture and the need for preserving natural resources were realised.

The objective of the paper is to present a computerised planning methodology through the case study of Babat Valley Modell Centre, which supports the teaching, research and demonstration activities of the Institute of Environmental Management related to multifunctional agriculture. The case study area extends to cca 270 ha and situated in Gödöllő Landscape Protection Area.

The program of the Modell Centre is to establish a farm demonstrating multifunctional agriculture, a system whose total economic, social and ecological efficiency is as best as possible based on local conditions. It gives a good example that the interests of the environment and society can be matched and the economic performance of such system can be better than that of traditionally unifunctional and profit oriented farms. Such activities include nature protection, gene conservation of traditional animal breeds, organic garden, employment of disabled people, community supported agriculture, countryside tourism, horse riding, recreation functions, etc.