



### **Modeling of Land-Use and Ecological Dynamics**

**Edited by Dan Czamanski, Itzhak Benenson, Dan Malkinson**

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This book presents insightful approaches through various models of land-use dynamics, integrated approach to urban and rural and open space dynamics as well as landscape phenomena.

The analysis is empirically illustrated. It emphasizes the self-organizing character of the landscape phenomena and the impacts of human activities. The interaction between urbanization and nature, an especially the consequences of city expansion to agricultural and natural landscapes are discussed. State-of-the-art modelling approaches to land-use issues are presented at different spatial resolutions and temporal time scales. The second part is dedicated to case studies of the effects and Impacts of the emerging urban-agriculture open space patterns are explored through the examination of urban-rural open space patterns. This book can be interesting for experts related to Ecology, Geography, Agriculture, Forestry, Nature Conservation, Rural Development, Regional Science and Theoretical Computer Science.

**Book review by Nikolaos Hasanagas, Aristotle University of Thessaloniki**