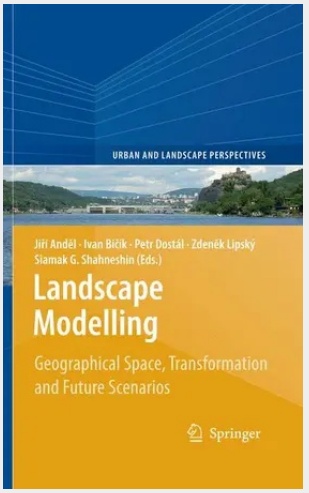
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Landscape Modelling

Geographical Space, Transformation and Future Scenarios



Landscape modelling integrates the differing perspectives of the many disciplines that deal with the landscape. It is motivated not only by the desire for scientific understanding, but also by the real-time demands of 21 century postindustrial society, which include the twin imperatives of stabilizing damaged ecosystems on the one hand, and finding effective ways to use the landscape on the other. The discipline has the specific goal of designing and assessing future scenarios of landscape development, while not losing sight of its past history, both ecological and socio-cultural. This book encompasses the interrelated disciplines of geography, landscape ecology and geoinformatics, and by drawing on their theories and methodologies introduces the concept of a living landscape with human action an inseparable part of its evolution. It offers researchers and decision-makers a number of ideas on how our landscape can best be utilized. The content reflects the need for sustainable landscape development, at the same time as considering long-term continuity as a major condition which enables us to maintain the diversity and multifunctionality of landscapes at regional and macro-regional scales. Employing advanced terminology and methods, this book provides specific results especially for scientists and landscape professionals.

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