1. Record Nr. UNINA9910782589503321

Titolo	Landscape Ecology : Concepts, Methods, and Applications / / editor, Francoise Burel
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , 2003
ISBN	0-429-06399-7 1-4398-4417-8 1-281-94856-X 9786611948566 1-57808-657-4
Edizione	[First edition.]
Descrizione fisica	xvi, 362 p. : ill. (some col.), maps
Disciplina	577.5/5
Soggetti	Landscape ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [324]-352).
Nota di contenuto	part Part I: Introduction -- chapter 1 Definition of a Discipline -- chapter 2 Landscape Ecology. Definition of a Multidisciplinary Approach -- part Part II: Landscape Structure and Dynamics -- chapter 3 Analysis of Spatial Structures -- chapter 4 The Dynamics of Landscapes -- chapter 5 Organization of Landscapes -- part Part III: Ecological Processes within Landscapes -- chapter 6 The Functioning of Populations at the Landscape Level -- chapter 7 Interspecific Relationships and Biodiversity in Landscapes -- chapter 8 Geochemical Flows in Landscapes -- part Part IV: Applications to Landscape Management -- chapter 9 Application of Landscape Ecology Concepts to Landscape Management and Design.
Sommario/riassunto	"Part I: Introduction: Definition of a Discipline: Emergence of Landscape Ecology in the History of Ecology; Recognition of Heterogeneity in Ecological Systems; Taking Human Activities into Account in Ecological Systems; Explicit Accounting for Space and Time; Landscape Ecology is based on Scientific Theories Linked to Ecology and Related Disciplines Landscpe Ecology: Definition of a Multidisciplinary Approach: Landscape as Understood by the Ecologist; Landscape Ecology: An Interdisciplinary Approach; Landscape Ecology: Application of Results

of Fundamental Research to Conservation Biology and Land Management Part II: Landscape Structure and Dynamics Analysis of Spatial Structures: Categories of Landscape Elements; From Sample Plots in a Wood to Woods in a Landscape; Typology of Patches and Corridors; Basic Concepts for Quantitative Approaches; Measurement of Heterogeneity; Fragmentation; Connectedness o Return to Scale Dependence: Contribution of Fractal Geometry o Elements of Geostatistics; Typologies of Landscape Structures; General Conclusion Dynamics of Landscapes: Questions on Organization and Dynamics of Landscapes Stemming from Observation; Changes in Land use on the Global Scale; Regional Approaches to Changes in Land Use: Variations Depending on Modes of Measurement; Local Approaches to Changes in Land Cover: Importance of Spatialization; Dynamics of Valley Landscapes: The Water Course and its Corridors; Dynamics of Non-Anthropogenic Landscapes; Land cover and Evolving Landscapes, a General Phenomenon Organization of Landscapes: Categories of Models; The Concept of Organization; Ecological Organization of Landscapes; From Farming Systems to Landscape Diversity; General Approach of Dynamics and Organization of Agrarian Landscapes; Landscape Dynamics and (Re) Organization: Multi-scale and Multidisciplinary Approach Part III: Ecological Processes within Landscapes: The Functioning of Populations at the Landscape Level: Patch Theory and Functioning of Metapopulations; Multi-habitat Species; Movement in Landscapes; Landscape Dynamics and the Functioning of Populations; Population Models used in Landscape Ecology Interspecific Relationships and Biodiversity in Landscapes: Interspecific Relationships; Biodiversity Geochemical Flows in Landscapes: Buffer Zones; Erosive Phenomena and Landscape Structure; Transfers in Watersheds; Conclusion Part IV: Applications to Landscape Management: Application of Landscape Ecology Concepts to Landscape Management and Design: Corridor Concept Applied to Development; Considering Landscape Ecology Concepts in Establishing Transportation Infrastructures; The Development of Rural Landscapes" --Provided by publisher.