1. Record Nr. UNINA990000582560403321

Autore	Falb, Peter L.
Titolo	SOME SUCCESSIVE APPROXIMATION METHODS IN CONTROL AND OSCILLATION THEORY / FALB Peter L. - DE JONG Jan L.
Pubbl/distr/stampa	s.l. : s.e., s.d.
Locazione	DINSC
Collocazione	07 G-70
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910806138603321

Autore	Richter Matthias <1964->
Titolo	Applied Urban Ecology [[electronic resource]] : A Global Framework
Pubbl/distr/stampa	Hoboken, : Wiley, 2011
ISBN	1-283-25842-0 9786613258427 1-4443-4502-8 1-4443-4499-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (235 p.)
Altri autori (Persone)	WeilandUlrike
Disciplina	577.5/6
Soggetti	Applied ecology Urban ecology (Biology)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Applied Urban Ecology: A Global Framework; Contents; List of contributors; Foreword; PART I: INTRODUCTION; 1. Urban ecology - brief history and present challenges; 1.1 Introduction; 1.2 Brief history; 1.2.1 Initials in urban natural history; 1.2.2 Socioecological tradition; 1.2.3 Complex bioecological tradition; 1.2.4 Ecosystem-related

tradition; 1.3 Recent and present challenges; 1.4 Purpose and structure of the book; 1.4.1 Purpose of the book; 1.4.2 Structure of the book; References; PART II: URBAN ECOLOGY: RELATED DISCIPLINES AND METHODS
2. Thematic-methodical approaches to applied urban ecology 3. Monitoring urban land use changes with remote sensing techniques; 3.1 Land use changes and their consequences for urban ecology; 3.2 Urban remote sensing (URS) and geographical information systems (GIS) for research in urban ecology; 3.3 Measuring physical characteristics of urban areas with remote sensing technology; 3.3.1 Effects of urban form on natural and man-made hazards; 3.3.2 Urban dynamics and ecosystem function; 3.4 Global initiatives to measure urban expansion and land use change
3.4.1 Global Urban Observatory of UN-HABITAT 3.4.2 ""The Dynamics of Global Urban Expansion"" - a contribution by the World Bank; 3.4.3 Socioeconomic data and applications Center (SEDAC) at the Center for International Earth Science Information Network (CIESIN), Columbia University, New York, USA; 3.4.4 The ""100 Cities Project"", Arizona State University, USA; 3.5 Regional urban monitoring activities; 3.5.1 Europe: ESPON, MOLAND and the Urban Atlas; 3.5.2 Governmental research projects on urban growth in the United States; 3.6 Synthesis and outlook; References
PART III: SELECTED FIELDS OF URBAN ECOLOGYA. PATHWAYS OF THE ECOSYSTEM APPROACH; 4. Quantifying spatiotemporal patterns and ecological effects of urbanization: a multiscale landscape approach; 4.1 Introduction; 4.2 Characterizing the spatiotemporal pattern of urbanization; 4.2.1 Quantifying urbanization patterns with landscape metrics; 4.2.2 Other methods for quantifying urban landscape pattern; 4.2.3 Effects of scale on the analysis of urban landscape patterns; 4.2.4 Examples from CAP-LTER; 4.3 Simulating spatiotemporal dynamics of urbanization
4.3.1 Importance of simulation models in urban studies 4.3.2 Approaches to simulating urban dynamics; 4.3.3 Examples from CAP-LTER; 4.4 Effects of urbanization on biodiversity and ecosystem processes: examples from CAP-LTER; 4.4.1 Effects of urbanization on biodiversity; 4.4.2 Effects of urbanization on soil biogeochemical patterns; 4.4.3 Effects of urbanization on net primary production; 4.4.4 Effects of urbanization on vegetation phenology; 4.4.5 Urban heat islands and ecological effects; 4.4.6 Ecosystem responses to urbanization-induced environmental changes; 4.5 Concluding remarks Acknowledgments

Sommario/riassunto

Applied Urban Ecology: A Global Framework explores ways in which the environmental quality of urban areas can be improved starting with existing environmental conditions and their dynamics. Written by an internationally renowned selection of scientists and practitioners, the book covers a broad range of established and novel approaches to applied urban ecology. Approaches chosen for the book are placed in the context of issues such as climate change, green- and open-space development, flood-risk assessment, threats to urban biodiversity, and increasing environmental pollution