1. Record Nr. UNINA9910793952903321

Autore	Marshall Victoria J.
Titolo	Patch Atlas : Integrating Design Practices and Ecological Knowledge for Cities as Complex Systems / / Victoria J. Marshall, Mary L. Cadenasso, Brian P. McGrath
Pubbl/distr/stampa	New Haven, CT : , : Yale University Press, , [2020] ©2020
ISBN	0-300-24939-X
Descrizione fisica	1 online resource (129 pages)
Disciplina	307.1216
Soggetti	City planning - Computer simulation Classification
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- Preface: Four Themes for an Atlas -- Acknowledgments -- Chapter 1. Motivations for Characterizing the Hybrid, Social-Ecological City -- Chapter 2. Unravelling Homogeneity: One Predominant Land Cover Element with Constrained Potential for Mixture -- Chapter 3. Heterogeneity as Outcome of Urban Transformation: One Predominant Land Cover Element with Greater Potential for Mixture -- Chapter 4. Regularity Within Patches as a Characteristic of Heterogeneity: Two Co-Dominant Land Cover Elements and Repeated Pairs -- Chapter 5. The Case of Patch Plurality as a Lesson for Urban Mutability: Three to Five Co-Dominant Land Cover Elements and the Potential for Recombination -- Chapter 6. Speculating on Urban Futures -- For Further Reading
Sommario/riassunto	A new tool for mapping urban land cover that integrates design principles and ecological knowledge for understanding cities as complex, patchy and dynamic systems Using a new, hybrid approach to urban land cover classification as an impetus to bring ecologists and urban designers together, this atlas is a unique conceptual tool to describe and analyze cities as complex systems. It brings together over a decade of shared knowledge from the Baltimore Ecosystem Study to inspire ecologically motivated design practice. The atlas displays maps

and tables depicting land cover classes and the relationships between them; information on how the specific cover arrangements evolved over time; and speculations on how they might change through design, disturbance, or succession. Rather than separating human-constructed spaces from predominantly biological and geological ones, this book integrates social and ecological structures and shows how this can contribute to the scholarship of ecology and the practice of design. Interdisciplinary and strikingly illustrated, the atlas is a new way to study, measure, and view cities with a more effective interaction of scientific understanding and design practice.