

New Book

Title: Integrating Landscape Ecology into Natural Resource Management

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> The first book in the new book series ("Cambridge Studies in Landscape Ecology") by Cambridge University Press and the International Association for Landscape Ecology.

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> Twenty chapters in six interrelated sections (Introduction and Concepts, Landscape Structure and Multi-scale Management, Landscape Function and Cross-boundary Management, Landscape Change and Adaptive Management, Landscape Integrity and Integrated Management, Syntheses and Perspectives).

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> Foreword by Eugene P. Odum (University of Georgia).

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> Contributed by 59 experts in landscape ecology and natural resource management.

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> Reviewed by 53 experts in academic institutions (e.g., Simon Levin at Princeton University) and natural resource management agencies (e.g., Jack Ward Thomas, former chief of US Forest Service).

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> Edited by Jianguo Liu and William W. Taylor (Michigan State University).

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> Published by Cambridge University Press (500 pages), www.cambridge.org, or 1-800-872-7423.

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> Description: The rapidly increasing global population has dramatically increased the demands for natural resources and has caused significant changes in quantity and quality of natural resources. To achieve sustainable resource management, it is essential to obtain insightful guidance from emerging disciplines such as landscape ecology. This text addresses the links between landscape ecology and natural resource management. These links are discussed in the context of various landscape types, a diverse set of resources (e.g., biodiversity, fisheries, wildlife, water, land, timber, and non-timber) and a wide range of management issues (e.g., timber harvesting, fishing, conservation, fragmentation, soil erosion, urbanization, pollution). A large number of landscape ecology concepts, principles and methods are introduced. Critical reviews of past management practices and a number of

> case studies are presented. This text provides many guidelines for managing natural resources from a landscape perspective and offers useful suggestions for landscape ecologists to carry out research relevant to natural resource management. In addition, it will be an ideal supplemental text for graduate and advanced undergraduate ecology courses.