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10 Simulating the Effects of Forest Fire and Timber Harvesting on the Hardwood Species of Central Missouri; 11 Using Insect-Caused Patterns of Disturbance in Northern New Brunswick to Inform Forest Management
12 Using Criteria Based on the Natural Fire Regime to Evaluate Forest Management in the Oregon Coast Range of the United States13 Using a Decision to Support System to Estimate Departures of Present Forest Landscape Patterns from Historical Reference Conditions; 14 Changes in Tree Species Composition from Pre-European Settlement to Present: A Case Study of the Temagami Forest, Ontario; PART III Applications: Perspectives, Practices, and Policy; 15 A Conservation Perspective on Emulating Natural Disturbance in the Management of Boreal Forests in Ontario
16 Consequences of Emulating Natural Forest Disturbance: A Canadian Forest Industry Perspective17 An Economic Perspective on Emulation Forestry and a Case Study on Woodland Caribou-Wood Production Trade-Offs in Northern Ontario; 18 Developing Forest Management Strategies Based on Fire Regimes in Northwestern Quebec; 19 Emulating Natural Forest Disturbance: Applications for Silvicultural Systems in the Northern Great Lakes Region of the United States; 20 Emulating Natural Forest Disturbance in the Wildland-Urban Interface of the Greater Yellowstone Ecosystem of the United States
21 Emulating Natural Forest Disturbance: From Policy to Practical Guidance in OntarioPART IV Conclusion; 22 Emulating Natural Forest Landscape Disturbances: A Synthesis; References; Index

Sommario/riassunto

What is a natural forest disturbance? How well do we understand natural forest disturbances and how might we emulate them in forest management? What role does emulation play in forest management? Representing a range of geographic perspectives from across Canada and the United States, this book looks at the escalating public debate on the viability of natural disturbance emulation for sustaining forest landscapes from the perspective of policymakers, forestry professionals, academics, and conservationists.This book provides a scientific foundation for justifying the use of and a s