

# **The Dynamic Nexus of Community Development, Wildland Disturbance, and Land Management Institutions: Integrating Resilience Theory, Patch Dynamics, Structuration, and Adaptive Governance for More Effective Resource Management**

Chuck Harris, Dale Blahna, Kofi Akakmani, Wayde Morse

This paper presents a new conceptual model of adaptive resource management for public land management agencies. The model combines several theoretical concepts from various fields of systems analysis including resiliency theory, patch and structuration dynamics, adaptive governance, and institutional analysis. In past research, these concepts have been treated separately, with examples of how each can contribute to adaptive management in social-ecological systems. Our model identifies key elements of these theories, and then shows how they can be integrated to contribute to a more holistic understanding of adaptive resource management in the western U.S. This analysis, which is applied at multiple levels of scale and draws primarily from case studies of community-based management and its responses to major ecological and social change, is based on ongoing research on managing for wildland fire and transitions to amenity communities.