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Governance Addressing Fragmentation and Uncertainty in Water Allocation and Water Quality Law / Cosens, Barbara A. / Stow, Craig A. -- Six. Institutionalized Cooperation and Resilience in Transboundary Freshwater Allocation / Green, Olivia Odom / Perrings, Charles -- Seven. Ecosystem Services, Ecosystem Resilience, and Resilience of Ecosystem Management Policy / Ruhl, J. B. / Chapin, F. Stuart -- Eight. Maintaining Resilience in the Face of Climate Change / Camacho, Alejandro E. / Beard, T. Douglas -- Nine. Matching Scales of Law with Social-Ecological Contexts to Promote Resilience / Ebbesson, Jonas / Folke, Carl -- Ten. Incorporating Resilience and Innovation into Law and Policy A Case for Preserving a Natural Resource Legacy and Promoting a Sustainable Future / Eason, Tarsha / Flournoy, Alyson C. / Cabezas, Heriberto / Gonzalez, Michael A. -- Eleven. Adaptive Law / Arnold, Craig Anthony (Tony) / Gunderson, Lance H. -- Twelve. The Integration of Social-Ecological Resilience and Law / Garmestani, Ahjond S. / Allen, Craig R. / Ruhl, J. B. / Holling, C. S. -- Contributors -- Index

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Sommario/riassunto

Environmental law envisions ecological systems as existing in an equilibrium state, reinforcing a rigid legal framework unable to absorb rapid environmental changes and innovations in sustainability. For the past four decades, "resilience theory," which embraces uncertainty and nonlinear dynamics in complex adaptive systems, has provided a robust, invaluable foundation for sound environmental management. Reforming American law to incorporate this knowledge is the key to sustainability. This volume features top legal and resilience scholars speaking on resilience theory and its legal applications to climate change, biodiversity, national parks, and water law.

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