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Altri autori (Persone)	AllenCraig Reece GarmestaniAhjond
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Nota di contenuto	Panarchy: Nature's Rules / Lance H. Gunderson, Ahjond Garmestani, and Craig R. Allen -- Panarchy, Cross-Scale Resilience, and Discontinuous Structures and Processes / Shana M. Sundstrom, Craig R. Allen, and David G. Angeler -- The Adaptive Cycle: More Than a Metaphor / Shana M. Sundstrom and Craig R. Allen -- Scales of Coercion: Resilience, Regimes, and Panarchy / David G. Angeler and Craig R. Allen -- Applications of Spatial Regimes. / Craig R. Allen, David G. Angeler, Ahjond Garmestani, Caleb Roberts, Shana M. Sundstrom, Dirac Twidwell, and Dan R. Uden -- An Engineering Perspective on Managing for Resilience and Panarchy / Ian Pumo, Margaret Kurth, Stephanie Galaitsi, and Igor Linkov -- Mapping Panarchy to Improve Visualization of Complex Environmental Change / Dirac Twidwell, Daniel R. Uden, Caleb P. Roberts, Brady W. Allred,

Matthew O. Jones, David E. Naugle and Craig R. Allen -- Capacities for Navigating Large-Scale Sustainability Transformations: Exploring the Revolt and Remembrance Mechanisms for Shaping Collapse and Renewal in Social-Ecological Systems / Per Olsson, Carl Folke, and Michele-Lee Moore -- Panarchy and Law in the Anthropocene / Robin Kundis Craig, Barbara Cosens, Ahjond Garmestani, and J.B. Ruhl -- Panarchy and the Economy / Josh Farley and Megan Egler -- Assessing Panarchy in Food Systems: Cross-Scale Interactions in Flint, Michigan / Jennifer Hobdod and Chelsea Wentworth -- Panarchy and the Governance of Social-Ecological Systems / Brian C. Chaffin -- Cross-Scale Social-Ecological Stewardship for Navigating toward More Sustainable and Just Futures / F. Stuart Chapin III, Reinette Biggs, Nadia Sitas, Carl Folke, and Gary P. Kofinas -- Applications and Diffusion of Panarchy Theory / Lance H. Gunderson, Craig R. Allen, and Ahjond Garmestani.

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Sommario/riassunto

"After a decades-long economic slump, the city of Flint, Michigan, struggled to address chronic issues of toxic water supply, malnutrition, and food security gaps among its residents. A community-engaged research project proposed a resilience assessment that would use panarchy theory to move the city toward a more sustainable food system. Flint is one of many examples that demonstrates how panarchy theory is being applied to understand and influence change in complex human-natural systems. Applied Panarchy, the much-anticipated successor to Lance Gunderson and C.S. Holling's seminal 2002 volume Panarchy, documents the extraordinary advances in interdisciplinary panarchy scholarship and applications over the past two decades. Panarchy theory has been applied to a broad range of fields, from economics to law to urban planning, changing the practice of environmental stewardship for the better in measurable, tangible ways. Panarchy describes the way systems--whether forests, electrical grids, agriculture, coastal surges, public health, or human economies and governance--are part of even larger systems that interact in unpredictable ways. Although humans desire resiliency and stability in our lives to help us understand the world and survive, nothing in nature is permanently stable. How can society anticipate and adjust to the changes we see around us? Where Panarchy proposed a framework to understand how these transformational cycles work and how we might influence them, Applied Panarchy takes the scholarship to the next level, demonstrating how these concepts have been modified and refined. The book shows how panarchy theory intersects with other disciplines, and how it directly influences natural resources management and environmental stewardship. Intended as a text for graduate courses in environmental sciences and related fields, Applied Panarchy picks up where Panarchy left off, inspiring new generations of scholars, researchers, and professionals to put its ideas to work in practical ways."--

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