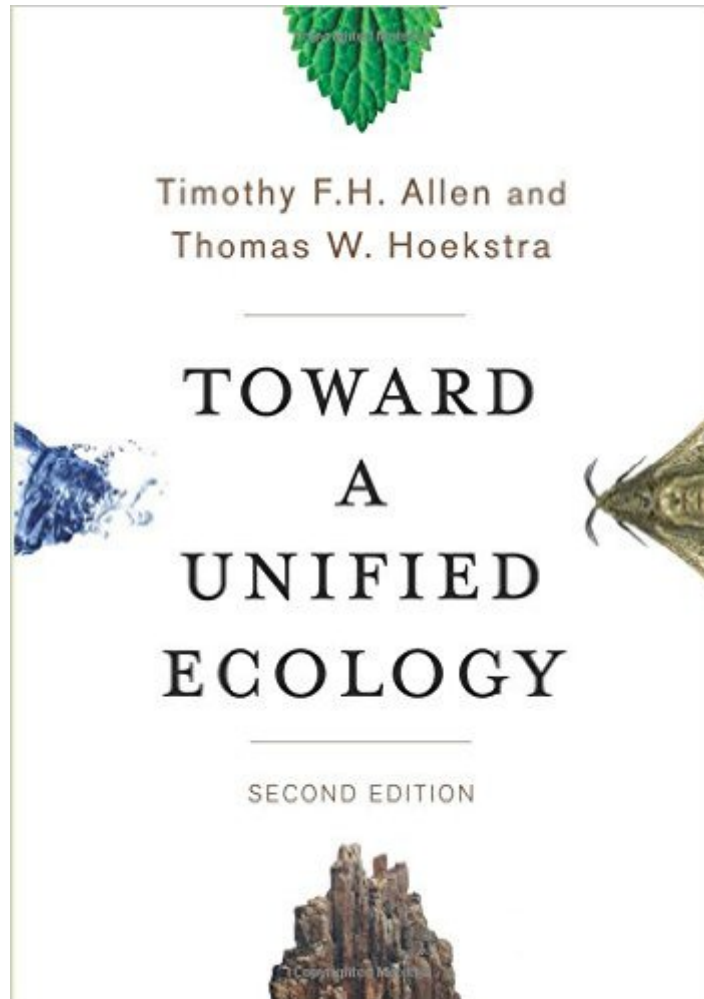# Toward A Unified Ecology (Complexity In Ecological Systems)

Synopsis

The first edition of Toward a Unified Ecology was ahead of its time. For the second edition, the authors present a new synthesis of their core ideas on evaluating communities, organisms, populations, biomes, models, and management. The book now places greater emphasis on post-normal critiques, cognizant of ever-present observer values in the system. The problem it addresses is how to work holistically on complex things that cannot be defined, and this book continues to build an approach to the problem of scaling in ecosystems. Provoked by complexity theory, the authors add a whole new chapter on the central role of narrative in science and how models improve them. The book takes data and modeling seriously, with a sophisticated philosophy of science.

Book Information

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Customer Reviews

The new edition of Toward a Unified Ecology (TUE) is a more accessible version of the now classic original edition. The original version was well ahead of it's time, and it is encouraging to see that many of the ground breaking ideas from the early 1990s are now much more mainstream. This new expanded and refined version builds on the best of the original version, with also expanding and updating the concepts. Numerous students of mine found the original version to be one of the most transformative books of their academic careers, just as I did as a graduate student 20 years ago. Thought provoking and intellectually challenging this book should be a must read for all serious

practitioners and scholars of ecology and conservation. It challenges conventional paradigms in a pragmatic and insightful way.

Toward a Unified Ecology (Complexity in Ecological Systems) The Global Dynamics of Cellular Automata: An Atlas of Basin of Attraction Fields of One-Dimensional Cellular Automata (Santa Fe Institute Studies in the Sciences of Complexity Reference Volumes) Complexity, Entropy and the Physics of Information A Wealth of Common Sense: Why Simplicity Trumps Complexity in Any Investment Plan (Bloomberg) Steel: A Design, Cultural and Ecological History (Design, Histories, Futures) Ecological Imperialism: The Biological Expansion of Europe, 900-1900 (Canto Classics) Ecological Sustainability for Non-timber Forest Products: Dynamics and Case Studies of Harvesting (People and Plants International Conservation) A New Psychology for Sustainability Leadership: The Hidden Power of Ecological Worldviews Architecture and Systems Ecology: Thermodynamic Principles of Environmental Building Design, in three parts Life Lessons from a Bad Quaker: A Humble Stumble Toward Simplicity and Grace Ebersole & Hess' Toward Healthy Aging: Human Needs and Nursing Response, 9e The Pricing Journey: The Organizational Transformation Toward Pricing Excellence Ecology of a Cracker Childhood: 15th Anniversary Edition Capitalism in the Web of Life: Ecology and the Accumulation of Capital The Gut Balance Revolution: Boost Your Metabolism, Restore Your Inner Ecology, and Lose the Weight for Good! Operating Systems Design and Implementat: Design and Implementation Programming Under Mach (UNIX and open systems series) Intelligence Emerging: Adaptivity and Search in Evolving Neural Systems (MIT Press) Systems Analysis and Design: An Object-Oriented Approach with UML Software Quality Assurance: In Large Scale and Complex Software-intensive Systems