Record Nr. UNINA9910222193003321 Autore Vermeij Geerat J. <1946-> Titolo Nature [[electronic resource]]: an economic history / / Geerat J. Vermeij Pubbl/distr/stampa Princeton, NJ,: Princeton University Press, c2004 **ISBN** 9786612129568 1-282-12956-2 1-4008-2649-7 Edizione [Course Book] Descrizione fisica 1 online resource (460 p.) Classificazione 42.05 576.8 Disciplina Natural history - Economic aspects Soggetti Science - Economic aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references (p. [321]-429) and index. Nota di bibliografia Nota di contenuto Front matter -- Contents -- Preface -- Chapter 1. Economy and Evolution: A Road Map -- Chapter 2. The Evolving Economy -- Chapter 3. Human and Nonhuman Economies Compared -- Chapter 4. The Economics of Everyday: Consumption and the Role of Enemies in Nature -- Chapter 5. The Economics of Everyday: Production and the Role of Resources -- Chapter 6. The Ingredients of Power and Opportunity: Technology and Organization -- Chapter 7. The Ingredients of Power and Opportunity: The Environment -- Chapter 8. The Geography of Power and Innovation -- Chapter 9. Breaking Down and Building Up: The Role of Disturbance -- Chapter 10. Patterns in History: Toward Greater Reach and Power -- Chapter 11. The Future of Growth and Power -- Appendix 1. Abbreviations -- Appendix 2. The Geological Time Scale -- Notes -- Literature Cited -- Index Sommario/riassunto From humans to hermit crabs to deep water plankton, all living things compete for locally limiting resources. This universal truth unites three bodies of thought--economics, evolution, and history--that have developed largely in mutual isolation. Here, Geerat Vermeij undertakes a groundbreaking and provocative exploration of the facts and theories of biology, economics, and geology to show how processes common to

all economic systems--competition, cooperation, adaptation, and

feedback--govern evolution as surely as they do the human economy, and how historical patterns in both human and nonhuman evolution follow from this principle. Using a wealth of examples of evolutionary innovations, Vermeij argues that evolution and economics are one. Powerful consumers and producers exercise disproportionate controls on the characteristics, activities, and distribution of all life forms. Competition-driven demand by consumers, when coupled with supplyside conditions permitting economic growth, leads to adaptation and escalation among organisms. Although disruptions in production halt or reverse these processes temporarily, they amplify escalation in the long run to produce trends in all economic systems toward greater power, higher production rates, and a wider reach for economic systems and their strongest members. Despite our unprecedented power to shape our surroundings, we humans are subject to all the economic principles and historical trends that emerged at life's origin more than 3 billion years ago. Engagingly written, brilliantly argued, and sweeping in scope, Nature: An Economic History shows that the human institutions most likely to preserve opportunity and adaptability are, after all, built like successful living things.