

# Complex Systems and Sustainability in the Global Auditing, Consulting, and Credit Rating Agency Industries

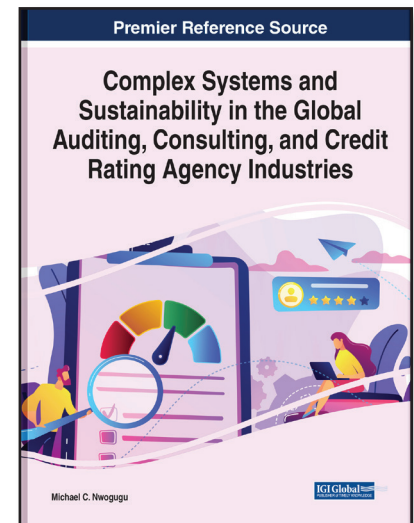
Part of the Advances in Finance, Accounting, and Economics Book Series

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## Description:

Current and future issues in the global accounting/consulting, business opportunity, and credit rating agency (CRA) industries can have significant multiplier-effects on international trade, sustainable growth, and compliance (as physical phenomena). These three industries are among the most international and human-capital-intensive of all service industries. In these industries, analysis of business models and industry dynamics can provide insights about how human-computer interaction (HCI) and contract theory affect the evolution of financial market ecosystems and cross-border information flows, and how business models, work-allocation mechanisms, and liability allocation can evolve to manage change. An often-overlooked issue is that non-performing loans (NPLs), sustainability, and CRA efficiency can be significantly affected by business processes, corporate strategy, and HCI in industry ecosystems, multinational corporations (MNCs), and economic systems.

**Complex Systems and Sustainability in the Global Auditing, Consulting, and Credit Rating Agency Industries** compares these three industries and introduces theories of public policy and “inter-business” processes. The book links industry structure, complex systems (including networks), behavioral game theory, structural changes, and antitrust problems to sustainability and the efficiency of pollution-remediation systems. The book introduces new “informal algorithms” and business/resource-allocation models that solve social-choice problems, and also contravene “impossibility theorems” that are at the core of modern computer science and mechanism design. This book is essential for professors and masters/PhD-level students and employees (in industry, financial services, research institutes, consulting firms, and government agencies) who are interested in industrial mathematics and theoretical computer science.



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## Topics Covered:

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Behavioral Game Theory  
Business Models  
Business Opportunity Industry

Complex Systems  
Credit Rating Agency  
Financial Ecosystem  
Global Auditing  
Human-Computer Interaction

International Business  
Mechanism-Design  
Public Policy

**Subject:** Business and Management

**Classification:** Authored Reference

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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