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The Interplay between Urban Development, Vulnerability, and Risk Management
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Improving Food Security Risk Management for Sustainable Development

BRYNN RISHI

Disaster Resilience and Sustainability National Academies Press

The term, sustainable dev ...

Innovation, Insurability and Sustainable Development Springer Nature

This textbook, now in its fourth edition, serves as a comprehensive guide to learning various aspects of risk, encompassing supply chain management, artificial intelligence, and sustainability. It demonstrates a wide range of operations research models that have been successfully applied to enterprise supply chain risk management. Each chapter of the book can function as a standalone module focusing on a specific topic, offering dedicated examples, definitions, and discussion notes. The publication of this book comes at a crucial time when the world is facing increasing challenges from various forms of risk. Events such as Covid-19, the energy crisis, wars, and terrorism in the 21st century have all disrupted supply chains, thus highlighting the critical importance of enterprise risk management. Additional risks, such as financial and technological bubbles, along with concerns surrounding rampant artificial intelligence, contribute to a climate that demands enhanced risk management within organizations.

Modeling Risk Management in Sustainable Construction Springer Science & Business Media
In light of the Sustainable Development Goals, sustainability is a factor to consider for understanding the changes that are coming in the business world and in different areas of management.

Companies must reorient their business objectives towards sustainable and responsible production for the environment and society. In this context of change, it is important to open the debate and obtain more thorough knowledge on how companies should change their leaderships strategies and carry out their financial planning, as well as analyze the risk of their clients and innovative projects that respect the environment. *Financial Management and Risk Analysis Strategies for Business Sustainability* proposes a series of practical and theoretical perspectives on how the business world has to evolve to adapt to the new situation the world has reached due to undeniable climate change forcing businesses to redefine their productive processes and internal organization. Topics highlighted include financial management procedures, corporate social responsibility, risk analysis, financial literacy, and innovation in sustainability and sustainable development. This book is a useful reference source for managers, executives, engineers, business professionals, financial analysts, researchers, academicians, and students in the areas of management, human resources, accounting and finance, taxation, environmental economics, and some engineering areas.

Resource Management, Sustainable Development and Governance Springer Nature

Natural disasters are increasingly affecting the world, taking lives unexpectedly and leaving many others injured and homeless. Moreover, disasters disrupt local, national and even global economies, instantly changing the direction of development. In the first half of 2011 alone, 108 natural disasters occurred, killing over 23 thousand people, affecting nearly 44 million others and causing more than

253 billion US dollars of economic damages (CRED 2011,1). Large urban settlements have become increasingly vulnerable to the impacts of natural disasters. The concentration of substandard infrastructure and housing, material assets, and inherent socio-economic inequalities increase vulnerability to disasters in large urban areas, especially in developing countries. The size, number, functions, and geographical distribution of large- and megacities create a special concern for disaster risk. Good urban management practices can be a powerful catalyst for reducing losses from natural disasters, while simultaneously helping to develop a sustainable environment. Yet, the existing situation indicates that sustainable planning and risk management measures are not taken into consideration or may not be put into practice for a variety of financial, political, and social reasons. This book argues that, on one hand, socio-economic disparities resulting from unsustainable urban development can increase vulnerability to natural hazards, and on the other hand, when paired with natural hazards this increased vulnerability can negatively affect urban areas, resulting in further inequality. This book will showcase this argument with theoretical reviews and quantitative analyses on the interplay between sustainable development and disaster vulnerability as well as an in-depth case study of the role of urban planning and risk management practices in creating the socio-economic and spatial vulnerabilities and predicted earthquake risk in the megacity of Istanbul.

Overcoming Environmental Risks to Achieve Sustainable Development Goals IGI Global

Many countries experience lack of harmony among economic development, environmental management and human health. As a consequence, public health, the integrity of ecosystems, and the efforts to reach environmental sustainability, have been adversely affected. The complexity, frequency and magnitude of those impacts is increasingly parallel to the technological revolution, rising population, and increasing per capita consumption. The burden of the concerns about how humans inflict natural and man-made enclaves tends to rely in highly industrial societies. However, many of the world environmental alterations are been achieved by non-industrial societies. This book examines and discusses multidisciplinary aspects of the impacts that humans had on the physical environment, the biota, and human health, focusing on the scenario of developing and under developing countries. Among the areas covered are environmental degradation, pollution, occupational health, risk management, epidemiology and toxicology. This book will help scientists, resource managers, administrators, educators, policy makers and college students interpret that risk management and the advancement of research in sustainable development is of utmost importance for all parties involved in seeking solutions for the protection of natural and anthropogenic systems, and human health.

Financial Management and Risk Analysis Strategies for Business Sustainability National Academies Press

This book encapsulates the advanced concept of sustainable management and will enlighten readers to understand this concept for practical applications. The book's salient features are as follows: • Illustrates the basic concepts of human psychology causing risk factors such as burnout; •

Differentiates adaptive sustainable measures and management practices; • Emphasizes sustainable agriculture management to confront the current dynamic environment and defines specific rules for enterprise development while coping with global climate change; • Assesses inertia with respect to economic development; • Constructs the linkage between technological strategies and innovation among construction companies; • Demonstrates non-financial reporting through theoretical and empirical evidence; • Elucidates the principles of equality, elaborating the managing of equality and diversity in a Steiner school

Inside Risk: A Strategy for Sustainable Risk Mitigation IGI Global

This thought-provoking book examines how the accumulated knowledge on past and present environmental issues and risks within Japan can be applied in order to help deliver the transformation to a sustainable and well-being society. The book opens with a series of case analyses on environmental pollution events and pollution-related diseases within the country over the past half century or more. Lessons learned regarding the harm to society are highlighted. Diverse current environmental issues are then explored in detail, ranging from the management of hazardous chemical and asbestos exposure to marine plastic pollution and nuclear disasters. This discussion forms the basis for the final part of the book, which focuses on how progress can be made towards the Sustainable Development Goals set out in the United Nations' 2030 Agenda for Sustainable Development. Important insights are also provided into future directions in human ecology and ecotoxicology. The book will be a valuable resource for both new and established researchers as well as for those seeking comprehensive information on environmental/occupational health and health promotion.

Corporate Survival IntechOpen

Climate change is the single largest threat to the attainment of the Millennium Development Goals (MDGs) and sustainable development. Addressing climate risk is a challenge for all. This book calls for greater collaboration between climate communities and disaster development communities. In discussing this, the book will evaluate the approaches used by each community to reduce the adverse effects of climate change. One area that offers some promise for bringing together these communities is through the concept of resilience. This term is increasingly used in each community to describe a process that embeds capacity to respond to and cope with disruptive events. This emphasizes an approach that is more focused on pre-event planning and using strategies to build resilience to hazards in an adaptation framework. The book will conclude by evaluating the scope for a holistic approach where these communities can effectively contribute to building communities that are resilient to climate driven risks.

Organizational Sustainability and Risk Management Springer

This book is devoted to a systemic study of socio-economic development risks arising in the Decade of Action, as well as the prospects for risk management in support of sustainable development. It aims to overcome fragmentary consideration of risks in the existing literature through their comprehensive coverage and the establishment of their interconnections from the perspective of sustainable development. The novelty of this book is that it provides a comprehensive accounting of socio-economic development risks in the Decade of Action, as well as a rethinking of these risks from a sustainable development perspective. The book also opens up the possibility of the most

comprehensive and effective risk management in support of sustainable development. The practical relevance of the book stems from the fact that it describes and discusses practical experience in detail and accompanies the theoretical material with numerous case studies, including cases and frameworks with extensive coverage of international best practices. The book is intended for scholars, for whom the book forms a systemic scientific view of the risks of socio-economic development arising in the Decade of Action, as well as the prospects for risk management in support of sustainable development. The book is also of interest to practitioners, for whom it offers practical advice on risk management at all levels of the economy for sustainable development. Many examples from different countries make the book attractive to a wide international audience. The book is of particular interest to readers from Russia.

Sustainable Development Risks and Risk Management Springer Nature

The book explains the impact of bank business models on company business models by discussing the relationship among banks decision-making processes, sustainable values creation in company business models, and ESG risk. The monograph provides a combination of financial and management-related activities, in the context of bank business models, taking into account the concept of sustainability, and will be of particular interest to both in-house practitioners, giving them innovative knowledge about the models presented and used, and to students and young researchers. The project is financed within the framework of the program of the Minister of Science and Higher Education under the name „Regional Excellence Initiative” in the years 2019 - 2022; project number 001/RID/2018/19; the amount of financing PLN 10,684,000.00.

Managing Climate Change Business Risks and Consequences Springer Nature

The goal of this book is to explore disaster risk reduction (DRR), migration, climate change adaptation (CCA) and sustainable development linkages from a number of different geographical, social and natural science angles. Well-known scientists and practitioners present different perspectives regarding these inter-linkages from around the world, with theoretical discussions as well as field observations. This publication contributes in particular to the discussion on the Sendai Framework for Disaster Risk Reduction (SFDRR) 2015-2030 and the debate about how to improve DRR, including CCA, policies and practices, taking into account migration processes from a large perspective where both natural and social factors are crucial and mutually “alloyed”. Some authors see the SFDRR as a positive step forward in terms of embracing a multitude of issues, others doubting that the agreement will lead to much concrete action toward real action on the ground. This book is a timely contribution for researchers, students and policy makers in the fields of environment, human geography, migration, disaster and climate change studies who seek a more comprehensive grasp of contemporary development issues.

Financial Risk Management and Sustainability - The Sufficiency Economy Philosophy Nexus Elsevier

Although the title of this volume and its major focus will be on one major aspect of global sustainability - climate change - this volume continues with the overall framing of the series: global sustainability is a multi-faceted, global, multi-generational, economic, social, environmental, and cultural phenomenon and challenge to our species.

Sustainability in Bank and Corporate Business Models IntechOpen

This book examines the relationship between natural resource management, sustainable

development, and governance with case studies from India and other places covering disaster risk reduction, conflict resolution, capacity building, climate change adaptation and resilience, citizen engagement and ecological conservation. Though the studies focus mostly on cases in India, the volume discusses how governance can be employed to help develop and implement sustainable practices globally through the lens of the United Nations Sustainable Development Goals (SDGs) framework. Readers will learn how to integrate concepts of resource management, sustainable development, and governance to improve human resilience to global environmental change, and to assess the proper development approaches to assist economically stressed and resource-deprived individuals. The book will be of use to graduate students and academics, policy makers, planners, and nonprofits.

Sustainability Science Springer

Improving Food Security Risk Management for Sustainable Development.

Sustaining our Environment for Better Future Routledge

Continues to fill gaps between the descriptive, conceptual, and transformative sustainability science. Sustainability is increasingly important across functional sectors and scientific disciplines. Policy-makers, practitioners, and academics continue to wrestle with the complexity of risk, resilience, and sustainability, but because of the necessary transdisciplinary focus, it is difficult to find authoritative content in a single source. *Sustainability Science: Managing Risk and Resilience for Sustainable Development, Second Edition*, contributes to filling that gap and is completely revised with several new chapters. It asserts that all efforts for the sustainability of humankind are undermined by the four fundamental challenges of complexity, uncertainty, ambiguity, and dynamic change. While there are no silver bullets, this book contends that we need systems approaches, risk approaches, participatory approaches, and resilience approaches to address each of them and endeavours to provide such. With that in mind, this book describes the state of the world (Part I), proposes a way to approach the world (Part II), and suggests how to set out to change the world (Part III). ? Introduces a new agenda for sustainable development that reflects current thinking in sustainability science. ? Draws lessons from the entire history of humankind to help us understand our present and inform decisions for our future. ? Operationalises key concepts to provide a clear link between theory to practice. ? Combines a stern message about staggering sustainability challenges with advice for practical action and calls for hope. ? Includes new chapters on complexity-what it is, how it manifests, and its consequences-on resistance to knowledge and change-focusing on the drivers behind the phenomena and how to overcome them-and more.

Enterprise Risk Management Models Springer Science & Business Media

In this edited volume, we present the state-of-the-art views of the perspective of enterprise risk management, to include frameworks and controls in the ERM process with respect to supply chains, constructions, and project, energy, environmental and sustainable development risk management. The bulk of this volume is devoted to presenting a number of modeling approaches that have been (or could be) applied to enterprise risk management in construction.

Sustainable Development Springer Science & Business Media

Provides a practice-oriented overview of risk management issues with particular reference to identifying and measuring risk. Looks at some of the current risk issues and the concept of

organisations creating a 'Sustainable Enterprise Risk Management' (SERM) methodology to encapsulate these risk areas with more traditional areas of risk management. Includes examples and case studies. Examines new research on the social and environmental categories of sustainability related risks.

Managing Sustainable Business Springer Nature

This book offers 32 texts and case studies from across a wide range of business sectors around a managerial framework for Sustainable Business. The case studies are developed for and tested in executive education programmes at leading business schools. The book is based on the premise that the key for managing the sustainable business is finding the right balance over time between managing competitiveness and profitability AND managing the context of the business with its political, social and ecological risks and opportunities. In that way, a sustainable business is highly responsive to the demands and challenges from both markets and societies and managers embrace the complexity, ambivalence and uncertainty that goes along with this approach. The book presents a framework that facilitates the adoption of best business practice. This framework leads executives through a systematic approach of strategic analysis and business planning in risk management, issues management, stakeholder management, sustainable business development and strategic differentiation, business model innovation and developing dynamic capabilities. The approach helps broaden the understanding of what sustainable performance means, by protecting business value against sustainability risks and creating business value from sustainability opportunities.

Environmental Management for Sustainable Development Emerald Group Publishing

Securing the future of the human race will require an improved understanding of the environment as well as of technological solutions, mindsets and behaviors in line with modes of development that the ecosphere of our planet can support. Some experts see the only solution in a global deflation of the currently unsustainable exploitation of resources. However, sustainable development offers an approach that would be practical to fuse with the managerial strategies and assessment tools for policy and decision makers at the regional planning level. Environmentalists, architects, engineers, policy makers and economists will have to work together in order to ensure that planning and development can meet our society's present needs without compromising the security of future generations. Better planning methods for urban and rural expansion could prevent environmental destruction and imminent crises. Energy, transport, water, environment and food production systems should aim for self-sufficiency and not the rapid depletion of natural resources. Planning for sustainable development must overcome many complex technical and social issues.

Risk Science and Sustainability Springer

This book comprises the main results of the Scenario (Support on Common European Strategy for sustainable natural and induced technological hazards mitigation) project, funded as a Specific Support Action under the VI FP. This book addresses three main needs: first, it constitutes an assessment of the situation of Europe as far as natural na-tech risks are considered; second, it suggests future research themes to be opened or widened so as to tackle new and emerging threats as well as changes in the potential response to risk governance, in order to improve the way scientific and technical expertise informs decision making regarding all fields of mitigation, ranging from structural to non structural measures, such as training, education and land use planning.