Economic ties between Asia and Latin America are growing as a part of a global shift toward more South–South cooperation. Yet trade costs remain high, which may impede future interregional trade and integration. Furthermore, an emerging trans-Pacific trade architecture based on free trade agreements (FTAs) carries risks of a noodle bowl effect. This book examines new frontiers in Asia–Latin America integration through interregional comparative studies in three key areas: trade facilitation, logistics, and infrastructure; production networks, supply chains, and small and medium-sized enterprises; and FTAs. The chapters contributed by Asian, Latin American, and international experts provide new insights on regional integration, impediments, and policy issues.

Providing a framework that highlights waste and its negative effects on process performance, value stream maps (VSMs) are essential components for successful Lean initiatives. While the conventional VSM format has the basic structure to effectively describe process operations, it must be adapted and expanded to serve its purpose in the process industry. This book describes in detail how to create a complete VSM for a process industry manufacturing operation. Detailing the unique features of process operations and why they require additions and adjustments to traditional VSMs, the book walks readers through the steps in analyzing the map. It explains how to scope improvement projects, prioritize them, and then use future state VSMs to illustrate and motivate systemic improvement. In doing so, it supplies readers with a roadmap for a complete Lean transformation. Describes how to analyze the map for waste and flow issues so that they can be reduced and even eliminated Provides examples of the calculations needed for the flow parameters in data boxes Explains how the VSM concept can be applied to the entire supply chain Includes strategies for engaging your entire workforce in map creation The book introduces a target manufacturing process and uses it to describe how to create a complete VSM. The target process is complex enough to illustrate the issues often encountered in mapping a process industry operation, but straightforward enough to explain all of the mapping considerations and decisions. The book includes real examples of how VSMs brought much
greater clarity to the real issues the processes faced and cases where the insight enabled management to avoid costly, inappropriate investments.

Service firms have high overhead costs which are difficult to assign to individual services. To bring transparency to their value chain, they need costing approaches that help them find their own improvements. Markus B. Baum explores current theory and practice of value chain approaches and cost accounting to develop a costing approach with a suitable instrument for the allocation of fixed and overhead costs for a service firm. He describes the service business costing (SBC) approach. This hybrid-costing model has a hierarchical structure in terms of consolidation and allocates cost and revenues on the lowest hierarchical level possible to ensure that all costs and income are assigned to activities from which they originated.

This book gathers various perspectives on modern map production. Its primary focus is on the new paradigm of “sharing and reuse,” which is based on decentralized, service-oriented access to spatial data sources. Service-Oriented Mapping is one of the main paradigms used to embed big data and distributed sources in modern map production, without the need to own the sources. To be stable and reliable, this architecture requires specific frameworks, tools and procedures. In addition to the technological structures, organizational aspects and geographic information system (GIS) capabilities provide powerful tools to make modern geoinformation management successful. Addressing a range of aspects, including the implementation of the semantic web in geoinformatics, using big data for geospatial visualization, standardization initiatives, and the European spatial data infrastructure, the book offers a comprehensive introduction to decentralized map production.

Gain a clear understanding of the fundamental concepts and applications behind today’s operations and supply chain management with the reader-friendly approach in Collier/Evans' popular OPERATIONS AND SUPPLY CHAIN MANAGEMENT, 2E. The authors present detailed, solved problems throughout this edition to illustrate key formulas and computations as you learn to complete both manual and digital calculations using Excel spreadsheet templates and other Excel models for optimization and simulation. New content examines process analysis and resource utilization, analytics in OM, capacity measurement, applications of linear optimization and other critical operations management (OM) and supply chain management (SCM) topics. In addition, new and proven review questions, experiential activities, problems and exercises as well as feature boxes teach you how to work with the latest OM and SCM concepts and tools. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Global value chains (GVCs) are a key feature of the global economy in the 21st century. They show how international investment and trade create cross-border production networks that link countries, firms and workers around the globe. This Handbook describes how GVCs arise and vary across industries and countries, and how they have evolved over time in response to economic and political forces. With chapters written by leading interdisciplinary scholars, the Handbook unpacks the key concepts of GVC governance and upgrading, and explores policy implications for advanced and developing economies alike.

This book constitutes the refereed proceedings of the 12th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2011, held in Sao Paulo, Brazil, in October 2011. The 61 revised papers presented were carefully selected from numerous submissions. They provide a comprehensive overview of recent advances in various collaborative network (CN) domains and their applications with a particular focus on adaptation of the networks and their value creation, specifically emphasizing topics related to evolution from social networking to collaborative networks; social
capital; value chains; co-creation of complex products; performance management; behavioral aspects in collaborative networks; collaborative networks planning and modeling; benefit analysis and sustainability issues, as well as including important technical and scientific challenges in applying CNs to areas such as advanced logistics networks, business process modeling, service orientation, and other emerging application domains such as ageing, tourism, crisis, and emergency scenarios.

Value chain based approaches offer tremendous scope for market-based improvements in production, productivity, rural economy diversification, and household incomes, but are often covered by literature that is too conceptual or heavily focused on analysis. This has created a gap in the information available to planners, practitioners, and value chain participants. Furthermore, few references are available on how these approaches can be applied specifically to developing agriculture in Africa. 'Building Competitiveness in Africa’s Agriculture: A Guide to Value Chain Concepts and Applications' describes practical implementation approaches and illustrates them with scores of real African agribusiness case studies. Using these examples, the 'Guide' presents a range of concepts, analytical tools, and methodologies centered on the value chain that can be used to design, implement, and evaluate agricultural and agribusiness development initiatives. It stresses principles of market focus, collaboration, information sharing, and innovation. The 'Guide' begins by examining core concepts and issues related to value chains. A brief literature review then focuses on five topics of particular relevance to African agricultural value chains. These topics address challenges faced by value chain participants and practitioners that resonate through the many cases described in the book. The core of the book presents methodological tools and approaches that blend important value chain concepts with the topics and with sound business principles. The tools and case studies have been selected for their usefulness in supporting market-driven, private-sector initiatives to improve value chains. The 'Guide' offers 13 implementation approaches, presented within the implementation cycle of a value chain program, followed by descriptions of actual cases. Roughly 60 percent of the examples are from Africa, while the rest come from Europe, Latin America, and Asia. The 'Guide' offers useful guidance to businesspeople, policy makers, representatives of farmer or trade organizations, and others who are engaged in agro-enterprise and agribusiness development. These readers will learn how to use value chain approaches in ways that can contribute to sound operational decisions, improved market linkage, and better results for enterprise and industry development.

This is a study of the nature of corruption in Ethiopia. It maps eight key sectors. The diagnostics strongly suggest that, in Ethiopia, corrupt practice in the delivery of basic services is potentially much lower than other low-income countries, but that there are emerging patterns in sector level corruption.

Around the world, virtually every company is engaged in some form of effort intended to improve the processing that takes place across an end-to-end supply chain system as they work towards moving their organizations to the next level of performance. Supply chain, particularly when enhanced with collaboration and Internet technology, is uniquely su

The purpose of supply chain management is to make production system manage production process, improve customer satisfaction and reduce total work cost. With indubitable significance, supply chain management attracts extensive attention from businesses and academic scholars. Many important research findings and results had been achieved. Research work of supply chain management involves all activities and processes including planning, coordination, operation, control and optimization of the whole supply chain system. This book presents a collection of recent contributions of new methods and innovative ideas from the worldwide researchers. It is aimed at providing a helpful reference of new ideas, original results and practical experiences regarding this highly up-to-date field for researchers, scientists, engineers and students interested in supply chain management.

Supply Chain Strategy and Financial Metrics is a step-by-step guide to balancing the triangle of
The Value Chain Map Service, cost and cash which is the essence of supply chain management. Supply chains have become increasingly strategy-driven, and this Supply Chain Triangle approach puts the supply chain at the heart of the strategy discussion instead of seeing it as a result. Supply Chain Strategy and Financial Metrics fully reflects the 'inventory' or 'working capital' angle and examines the optimisation of the supply chain and Return on Capital Employed. Including case studies of Barco, Casio and a selection of food retail companies, this book covers building a strategy-driven KPI dashboard, target setting and financial benchmarking. Regular examples and diagrams illustrate how different types of strategies lead to different trade-offs in the Supply Chain Triangle. This ground-breaking text links supply chain, strategy and finance through financial metrics, therefore creating value for the shareholder. Online supporting resources include worksheets covering basic financial concepts such as cash flow and working capital, with example data sets and guidelines/exercises to make it interactive.

These guidelines aim to respond to these questions and support practitioners in translating the Gender-Sensitive Value Chain Framework, developed by the Food and Agriculture Organization (FAO) into action (FAO, 2016a). Building on FAO’s comparative advantage on gender in agriculture and food security, these guidelines are primarily intended to assist practitioners in designing and implementing interventions that provide women and men with equal opportunities to benefit from agrifood value chain development. They offer practical tools and examples of successful approaches to foster a more systematic integration of gender equality dimensions in value chain interventions in the agricultural sector and enhance the social impact of these interventions.

This report covers the process and results from the value chain analysis conducted on the dates, tomatoes and wheat sector in Iraq. The study presents the results of a cross-national market and gender-sensitive value chain analysis conducted in Iraq – and at different levels of the selected value chains including inputs suppliers, cultivators, harvesters, consolidators, and processors/exporters. The assessment establishes an information base to support the creation of livelihood opportunities in specific subsectors – which will ultimately support domestic food production and economic growth over the long term.

This module covers the 'core' service management activities and expands the current scope of ITIL to include the 'creation' of services. It focuses on the integration of different value streams and activities to create, deliver and support IT-enabled products and services whilst also covering supporting practices, methods and tools. “Create, Deliver and Support” module provides IT practitioners with an understanding of service quality and improvement methods, enabling them to continue to deliver innovative yet reliable tech-enabled services to their customers in an increasingly competitive market. ITIL 4 Specialist Create, Deliver and Support is aimed at individuals who are continuing their journey in service management, ITSM managers and ITSM practitioners managing the operation of IT-enabled and digital products and services, and those responsible for their end-to-end delivery, as well as holders of existing ITIL qualifications who wish to update and develop their knowledge further. Accredited training for the ITIL Managing Professional modules is mandatory to enable full understanding of the core material. All modules have ITIL 4 Foundation as a pre-requisite.

This publication aims to help policy-makers, project designers and field practitioners to conceptualize the nexus between gender equality and food loss while offering practical guidance on and tools for integrating gender concerns into the planning and implementation of food loss studies and reduction strategies and interventions. By linking key concepts from gender-sensitive value chain development and the issue of food loss, it emerges that gender inequalities affect the overall efficiency of the food value chain and generate a poor performance that may cause produce to be removed from the chain. The publication provides critical information and entry points for food loss reduction interventions.
that improve the way women and men participate in and benefit from food production.

This book provides an overview of the complex challenges and opportunities related to forest-based rural development in the tropics and subtropics. Applying a socio-ecological perspective, the book traces the changing paradigms of forestry in rural development throughout history, summarizes the major aspects of the rural development challenge in forest areas and documents innovative approaches in fields such as land utilization, technology and organizational development, rural advisory services, financing mechanisms, participative planning and forest governance. It brings together scholars and practitioners dealing with the topics from various theoretical and practical angles. Calling for an approach that carefully balances market forces with government intervention, the book shows that forests in rural areas have the potential to provide a solid foundation for a green global economy.


Value chain finance arrangements and related innovations hold great potential for financial inclusion in agriculture and food systems, particularly in the context of tight value chains and for addressing the short term financial needs of the various actors. These can also contribute to linking financially excluded actors with financial institutions in the formal sector. This publication makes an important contribution to the expanding literature on agricultural value chain financing approaches by providing an overview of innovations and best practices from across Sub-Saharan Africa through 22 case studies. The chosen cases are of varying length and complexity. The emphasis is on learning from the practices which are presented. The synthesis document included within the publication is designed to introduce the cases, provide comparisons and discuss lessons learned. It is hoped that this publication will become a useful reference material for trainers and practitioners interested in the diverse experiences and latest innovations in business models, approaches, instruments and arrangements that contribute to improving access to finance for a host of agrifood value chain actors including small farmers, women and youths in Africa.

How can we ensure our strategy will succeed, especially in changing and uncertain times? The answer, as explained in Strategy Mapping for Learning Organizations, is to become a more responsive organization - one that captures its strategy in strategy maps, learns from that strategy and can adapt to deliver results. For anyone involved in managing strategy and performance, applying the powerful strategy mapping techniques will move your balanced scorecard from an operational tool to one of strategy and change. It will help you capture, communicate and manage your strategy more effectively. However, strategy can no longer be simply a top down, annual process. It needs to be more iterative, emergent and involving. Many agile organizations have adopted rolling plans and budgets. To bring greater agility into the wider strategy and performance management processes requires the tools and techniques described in Strategy Mapping for Learning Organizations. Phil Jones provides a detailed guide to developing, rolling out and managing with modern strategy maps and scorecards, building in agility and learning. His book incorporates the latest strategic thinking and models. It places the balanced scorecard in a wider governance context that includes the management of risk and environmental and social responsibility. Fully illustrated with examples from many different organizations, this book will help you deliver your strategy better.

The journey from strategy to operating success depends on creating an organization that can deliver
the chosen strategy. This book, explaining the Operating Model Canvas, shows you how to do this. It teaches you how to define the main work processes, choose an organization structure, develop a high-level blueprint of the IT systems, decide where to locate and how to lay out floor plans, set up relationships with suppliers and design a management system and scorecard with which to run the new organization. The Operating Model Canvas helps you to create a target operating model aligned to your strategy. The book contains more than 20 examples ranging from large multi-nationals to government departments to small charities and from an operating model for a business to an operating model for a department of five people. The book describes more than 15 tools, including new tools such as the value chain map, the organization model and the high-level IT blueprint. Most importantly, the book contains two fully worked examples showing how the tools can be used to develop a new operating model. This book should be on the desk of every consultant, every strategist, every leader of transformation, every functional business partner, every business or enterprise architect, every Lean expert or business improvement champion, in fact everyone who wants to help their organization be successful. For trainers free additional material of this book is available. This can be found under the "Training Material” tab. Log in with your trainer account to access the material.Additional content can be found on the website for the Operational Model Canvas: https://www.operatingmodelcanvas.com

This book is written for practitioners and researchers who are currently working in the field of supply chain management and operations management. It provides a thorough explanation of the supply chain configuration problem as well as offers solutions that combine the mathematical aspects of problem solving with applications in modern information technology.

For most supply chains, cost reduction is imperative to long-term survival. Yet identifying the costs that can be eliminated—and then doing so effectively—can prove impossible without the right method. This book introduces the same process the author has used to save companies like IBM, Kodak, and DuPont billions of dollars, simply by harnessing the knowledge of suppliers. Using real-life case studies and examples, the book takes readers step-by-step through the process, showing them how to move beyond negotiation and: • identify critical costs in the supply chain • measure secondary and tertiary costs • develop strategic options • reduce, change, or eliminate activities that produce costs • implement an action plan • verify the plan with cost monitors • continually improve and modify the process The book gives readers everything they need to implement this powerful system, and bring genuine and permanent savings to their company.

This publication constitutes a practical development tool, which implements the sustainable food value chain framework with a focus on small-scale livestock producers, targeting an audience of project design teams and policymakers. Small-scale livestock producers are important actors in food production, human health and management of landscapes and animal genetic resources. However, they face a number of challenges, which hamper their productivity, access to market, and competitiveness vis-à-vis their larger counterparts. By integrating the concepts of value addition and the three dimensions of sustainability, the sustainable food value chain framework not only addresses questions concerning the competitiveness, inclusion and empowerment of small-scale producers, but also incorporates the cross-cutting issues that are increasingly embedded in development projects. These guidelines take the user through the different steps of value chain development, highlighting the particularities of the smallholder livestock sector, such as multi-functionality, specific production cycles or food safety issues, through concrete examples.

Even though Six Sigma programs have successfully been implemented in practice, many IT departments remain skeptical of the process or are unaware of how the tools can be used to improve system development. Removing the mystique surrounding this technique, Six Sigma Software Development, Second Edition demonstrates how Six Sigma tools and concepts can be used to enhance
the system development process. Revised and updated, this second edition clearly explains Six Sigma concepts and their application, maps Six Sigma concepts and tools to all aspects of system development, and proposes the use of Six Sigma tools to evaluate and improve the overall performance of the IT department. In addition to classic Six Sigma, the book introduces Design for Six Sigma (DFSS) and illustrates when and how its tools and techniques can be used to increase the robustness and reliability of a new system. It also shows how the judicious application of lean tools can reduce the complexity of IT processes, thus shortening the time needed to translate customer requirements into completed systems and increasing customer satisfaction.

This book provides the foundations of BE, reviews the disciplines integrated within its methodology, and presents plentiful evidence of its power by giving detailed application cases, including impressive results in private and public situations.

This state-of-the-art Handbook provides a comprehensive understanding and assessment of the field of global supply chain management (GSCM). Editors John T. Mentzer, Matthew B. Myers, and Theodore P. Stank bring together a distinguished group of contributors to describe and critically examine the key perspectives guiding GSCM, taking stock of what we know (and do not know) about them.

A brand new collection of world-class supply chain design solutions… 3 authoritative books, now in a convenient e-format, at a great price! 3 authoritative eBooks deliver state-of-the-art guidance for designing and optimizing highly competitive global supply chains! This unique 3 eBook package will help you design state-of-the-art supply chains that deliver rapid, quantifiable, and sustainable competitive advantage. The Encyclopedia of Operations Management is the perfect single-volume "field manual" for every supply chain or operations management practitioner and student. Nearly 1,500 well-organized, up-to-date definitions cover every facet of supply chain design, planning, management, and optimization. Next, in Reinventing the Supply Chain Life Cycle, Marc J. Schniederjans and Stephen B. LeGrand show how to optimize supply chains throughout their entire lifecycle: creation, growth, maturity, and decline! Reflecting up-to-the-minute "in-the-trenches" experience and pioneering research, this book illuminates the complex transformational processes associated with managing complex supply chains that incorporate multiple products and services within ever-changing networks. They walk you through: starting, creating, and building new supply chains; realigning them for growth; adjusting to dynamic change, readjusting networks, building flexibility, and managing new risks. Next, they offer practical, realistic guidance for realigning "mature" supply chains, innovating, controlling costs; and smoothly managing declining demand. Throughout, they offer invaluable insights, tools, and examples for negotiation, performance measurement, anticipating change, improving agility, meeting commitments to social responsibility and the law; and more. Finally, in Supply Chain Network Design, four leading IBM and Northwestern University experts show how to use strategic supply chain network design to achieve dramatic new savings. They integrate rigorous principles and practical applications to help you select the right number, location, territory, and size of warehouses, plants, and production lines; and optimize the flow of all products through even the most complex global supply chain. You’ll find better ways to decide what (and where) to manufacture internally; and which products to outsource (and to whom). You’ll get help managing cost vs. service-level tradeoffs; using analytics to improve decision-making; and re-optimizing regularly for even more savings. Whatever your role in supply chain design, this collection will help you systematically optimize performance, customer value, and profitability. From world-renowned supply chain experts Arthur V. Hill, Marc J. Schniederjans, Stephen B. LeGrand, Michael Watson, Sara Lewis, Peter Cacioppi, and Jay Jayaraman

The purpose of this book is to describe how lean and supply chain management can be combined to
achieve world-class business performance. To accomplish this purpose, the book contains both basic material on lean and supply chain management, as well as content from current journal research findings, strategies, issues, concepts, philosophies, procedures, methodologies, and practices in managing a lean supply chain. Presented in a topical fashion, the chapters deal with a wide-range of subjects that support, nurture, and advance principles, concepts, and methodologies of lean supply chain management. Contents: Introduction to Lean and Supply Chain Management: Lean Supply ChainsThe Nexus of Lean and Supply Chain ManagementTopics in Lean Supply Chain LeadershipStrategic Customer Value Focus in Lean Supply Chain ManagementTopics in Aligning Lean Supply Chain Strategy, Tactics, and Operational PlansEthics, Trust, and Collaboration Topics in Lean Supply ChainsTopics in Globalization and Cultural Impacts on Lean Supply ChainsTopics in Lean Supply Chain Information SystemsTopics in Lean Supply Chain New Product DevelopmentTopics is Lean Supply Chain E-commerceTopics in Lean Supply Chain OutsourcingTopics in Sustainable Lean Supply ChainsTopics in Building Agile and Flexible Lean Supply Chains Readership: Undergraduates, Graduates, academics and consultants who are interested to know more about lean supply chain management. Keywords: Lean;Lean Management;Supply Chain;Supply Chain ManagementReview: Key Features: This is a topical book, that focuses in-depth on the Lean topics that are coveredThis book covers many of the newer Lean topics that are the focus point for Lean firms todayThe chapters of this book has been updated with current literature and even include the most recent advances in Lean-related technology (some of which have yet to be implemented but are in the planning stages)

This is the perfect "field manual" for every supply chain or operations management practitioner and student. The field's only single-volume reference, it's uniquely convenient and uniquely affordable. With nearly 1,500 well-organized definitions, it can help students quickly map all areas of operations and supply chain management, and prepare for case discussions, exams, and job interviews. For instructors, it serves as an invaluable desk reference and teaching aid that goes far beyond typical dictionaries. For working managers, it offers a shared language, with insights for improving any process and supporting any training program. It thoroughly covers: accounting, customer service, distribution, e-business, economics, finance, forecasting, human resources, industrial engineering, industrial relations, inventory management, healthcare management, Lean Sigma/Six Sigma, lean thinking, logistics, maintenance engineering, management information systems, marketing/sales, new product development, operations research, organizational behavior/management, personal time management, production planning and control, purchasing, reliability engineering, quality management, service management, simulation, statistics, strategic management, systems engineering, supply and supply chain management, theory of constraints, transportation, and warehousing. Multiple figures, graphs, equations, Excel formulas, VBA scripts, and references support both learning and application. " this work should be useful as a desk reference for operations management faculty and practitioners, and it would be highly valuable for undergraduates learning the basic concepts and terminology of the field." Reprinted with permission from CHOICE http://www.cro2.org, copyright by the American Library Association.

Cinnamon is the common name for the spice obtained from the dried inner bark of several species of the genus Cinnamomum in the Lauraceae family. In world trade, Cinnamomum cassia (L.) J. Presl Cinnamomum burmannii dominate, but it is of a different quality to 'true' or 'Ceylon' cinnamon produced from Cinnamomum zeylanicum Blume (C. verum J. Presl), with the latter much easier to process, giving a more delicate, sweeter flavor with nuances of clove, but more importantly with only traces (often below detection thresholds) of coumarin, compared with 5–7 g/kg in other species. Cinnamon has been a popular and expensive spice in many civilizations, including ancient Egypt, Rome and in 14th and 15th century Europe, where it was used primarily to preserve meat for its antibacterial properties, fine aroma and flavor. Ancient Egyptians used cinnamon in mummification process due to its antibacterial properties and fragrance. The quest for cinnamon brought many
explorers to Ceylon, whose ancient history is intertwined with the cinnamon trade. Ancient Egyptians and Romans used cinnamon as a valued spice and as an incense. In recent years, much research has been conducted in crop improvement, processing and value addition in cinnamon. In addition to direct use as a condiment/spice, cinnamon has found a multitude of uses in the food and beverage, traditional medicine, pharmacology, nutraceutical and cosmetics industries. Ceylon cinnamon is unique in that oils distilled from the bark (major constituents are cinnamaldehyde and oleoresins), leaf (eugenol is the major constituent used in dentistry, perfumes, flavorings and as an antioxidant) and roots (camphor) have different industrial uses. Cinnamaldehyde is now a proven natural bactericide widely used in food and beverage industry, effective against Salmonella spp. and Escherichia coli. Thus, it has become an important natural component of organic fruit and vegetable juices to enhance microbial safety of these nutritious beverages. Because of its manifold uses, cinnamon is an important crop. There have been many recent publications on its ethnobotany, genetics, crop improvement, agronomy, processing, biotechnology, chemistry, food and medicinal uses, and industrial applications. However, one book condensing all these findings is lacking. Our publication, with chapters devoted to all these aspects of cinnamon written by experts in these fields, condenses current knowledge into a single source and contribute to the advancement and dissemination of knowledge and technology. Contributors to the book constitute internationally renowned senior scientists and academics with hands-on experience as well as movers and shakers of industry, thereby striking a right balance between theory and practice. Therefore it is a valuable source for students, teachers, scientists, planners policy makers, practicing agriculturists and industrialists, and a prized acquisition to any library in higher education institutions, R & D institutions and public and private sector institutions in agriculture and allied fields.

In order to keep up with the constant changes in technology, business have adopted supply chain management to improve competitive strategies on a strategic and operational level. Supply Chain Management: Concepts, Methodologies, Tools, and Applications is a reference collection which highlights the major concepts and issues in the application and advancement of supply chain management. Including research from leading scholars, this resource will be useful for academics, students, and practitioners interested in the continuous study of supply chain management and its influences.

Clustering is a process whereby enterprises within a shared value chain cooperatively manage the flow of goods and services from the point of origination to the point of consumption. This volume focuses on the notion of the regional cluster as a tool for value chain management and then discusses specific issues.

This book covers important issues related to managing supply chain risks from various perspectives. Supply chains today are vulnerable to disruptions with a significant impact on firms’ business and performance. The aim of supply chain risk management is to identify the potential sources of risks and implement appropriate actions in order to mitigate supply chain disruptions. This book presents a set of models, frameworks, strategies, and analyses that are essential for managing supply chain risks. As a comprehensive collection of the latest research and most recent cutting-edge developments on supply chain risk and its management, the book is structured into three main parts: 1) Supply Chain Risk Management; 2) Supply Chain Vulnerability and Disruptions Management; and 3) Toward a Resilient Supply Chain. Leading academic researchers as well as practitioners have contributed chapters, combining theoretical findings and research results with a practical and contemporary view on how companies can manage the supply chain risks and disruptions, as well as how to create a resilient supply chain. This book can serve as an essential source for students and scholars who are interested in pursuing research or teaching courses in the rapidly growing area of supply chain risk management. It can also provide an interesting and informative read for managers and practitioners who need to deepen their knowledge of effective supply chain risk management.
This book provides a framework for integrating information management in supply chains. Current trends in business practice have made it necessary to explore the potential held by information integration with regard to environmental aspects. Information flow integration provides an opportunity to focus on the creation of a more “green” supply chain. However, it is currently difficult to identify the impact of information integration on greening a supply chain in a wide range of practical applications. Accordingly, this book focuses on the potential value of information integration solutions in terms of greening supply chain management. It covers the following major topics:

- Application of information flow standards in the supply chain
- Information systems and technological solutions for integrating information flows in supply chains
- The Internet of Things and the industry 4.0 concept, with regard to the integration of supply chains
- Modeling and simulation of logistics processes
- Decision-making tools enabling the greening of supply chains

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