

Supply Chain Management And Reverse Logistics

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E-Logistics and E-Supply Chain Management Deryn Graham 2013-04-30 "This book explores the creation of integrated supply chains, the developments of virtual business, and the processes of re-engineering for business development"--Provided by publisher.

Information Technologies, Methods, and Techniques of Supply Chain Management John 2012-04-30 "This book has compiled chapters from experts from around the world in the field of supply chain management and provide a compendium of the latest research, case studies, frameworks, methodologies, architectures, and best practices in the field of supply chain management"--Provided by publisher.

Assessing and Optimizing the Reverse Logistic Process Using Computer Aided Modelling Martin Boney 2011-08-09 Inhaltsangabe:Introduction: As the world population is growing continuously and emerging markets expanding, natural resources are being used even more intensively. Because of the scarcity of natural resources, the world faces a changing business environment. Due to government regulations, companies nowadays must handle not only in terms of efficiency, but also of sustainable development and new market opportunities. Thus, with the progress in the logistics sector in recent years, supply chain management and especially the concept of reverse logistics have become important for both, industry and science. By utilizing reverse logistics, companies aim at maximizing their product revenue while reducing the costs of product returns. Accordingly, implementing an effective concept of reverse logistics while manufacturing environmentally friendly products, has become a strategic issue. In order to meet the requirements, companies are confronted with the problem of reducing the uncertainties regarding the quality, quantity and timing of product returns. In this context, a high level of uncertainty leads to a strong increase in complexity compared to traditional forward supply chains. Using modern computer aided modelling techniques such as system dynamics, companies can counteract this complexity since they not only enable a better understanding of the dynamic behaviour of such systems but also allow an improved estimation of the impact of a changing environment and management decisions. This thesis contributes towards an improvement of the strategic decision making process in the field of reverse logistics by providing a generic simulation model which can be used to analyse the influence of different environmental and managerial policies with respect to prevailing market conditions. To achieve this objective, the following approach is proposed: In Chapter 2, the theoretical foundation of reverse logistics is characterized forming the framework for the subsequent analytical approach concerning the appropriate model development. For this purpose, first, an overview of the state of the art concerning the processes and influencing factors within the field of reverse logistics is provided. This is achieved by describing the theoretical background of the topic, including a characterization of the impact of individual reverse logistic activities on each other and on their environment. Afterwards, current challenges and trends within the field of Reverse Supply Chains are discussed.

Reverse Supply Chains Surendra M. Gupta 2016-04-19 Winner of IIE Book of the Month, December 2013 The introduction of reverse supply chains has created many challenges in network design, transportation, selection of products, selection and evaluation of suppliers, performance measurement, marketing-related issues, end-of-life product alternative selection, remanufacturing, disassembly, and product acquisition management, to name a few. Under the guidance of an expert editor and with contributions from pioneers in the field, Reverse Supply Chains: Issues and Analysis addresses several important issues faced by strategic, tactical, and operation planners of reverse supply chains using efficient models in a variety of decision-making situations providing easy-to-use mathematical and/or simulation modeling-based solution methodologies for a majority of the issues. The book introduces the basic concepts of reverse logistics and systematically analyzes the literature by classifying more than 400 published references into five major categories of product returns. It then identifies the basic activities and scope of reverse logistics, examining its drivers and challenges, as well as major issues and challenges. The chapters cover metrics for quantitatively comparing competing new-product designs for end-of-life disassembly on a reverse production line, how to use the theory of constraints thinking p

determine the core problems in reverse logistics, and an integrated multi-criteria decision-making methodology using Taguchi loss functions AHP (Analytic Hierarchy Process) and fuzzy programming. They explore issues associated with remanufacturing and green and resilient supply chain management and propose system modeling based on graph theory and network flows application to analyze material resource flows in the life cycle of a product. Reverse supply chain is a new and fast growing area of research and only a handful of books are on the market, however those books discuss specific projects rather than provide a cohesive focus on the topics. This book will provide a foundation and understanding of the topic and also highlight how current issues can be approached in a decision-making situation using the appropriate technique.

International Supply Chain Management and Collaboration Practices Adarme Jaimes 2011

Sustainable Supply Chain Management with Minh Trang Rausch-Phan 2022-01-29 This book presents the current causes and effects of implementing sustainable supply chain management (SSCM) as well as green supply chain management (GSCM) strategies in the automotive industry. The reader is provided a detailed scientific review on SSCM and GSCM and presented the advantages of sustainable development concepts as well as factors causing the implementation, such as buyers' behavior, governmental regulations, and competitiveness. The book then analyses the current situation of SSCM development, particularly in the automotive industry. It shows challenges, barriers, successes, and benefits that automotive companies obtain from implementing GSCM. Through case studies on leading German car manufacturers VW, BMW, and Daimler, the necessary activities of these companies to implement green development in the entire supply chain, including green supplier selection, green materials, green transportation, and reverse logistics, are defined. Moreover, a benchmark with companies from Asian markets such as Toyota from Japan and Geely from China is also performed.

Managing Reverse Logistics Using System Dynamics: A Generic End-to-end Approach Bbenev 2012-03 As legislations have become stricter and the competition on markets is getting stronger, companies facing return flows for the implementation of efficient and cost-effective reverse logistic procedures. At the same time, when managing reverse logistics, they are not only confronted with a high degree of uncertainties concerning the quality, quantity, timing or the product returns, but also with a dynamically changing environment. Various aspects, such as the increasing amount of return flows, shorter repair and lead times as well as increasing disposal costs, affect the reverse logistic system and need to be managed proficiently. Additionally, handling product returns requires supportive computer aided modelling tools that are capable of handling the dynamic and complex characteristics of the reverse logistic system. This study allows an improved estimation of the impact of a changing environment and management decisions. For the purpose of this study, the system dynamics modelling approach has been identified as particularly suitable for illustrating the problem in question with a special focus on understanding the dynamic behaviour over time. A generic system dynamics model has been exemplarily created and simulated using the program iThink. The model comprises end-to-end processes of reverse logistic activities related to customer returns and has been used for studying the strategic design and optimization of the reverse logistic system. In order to consider relevant uncertainties as well as environmental concerns and to improve efficiency, representative policies have been applied where, inter alia, with the help of the graphical illustration of the processes, effective strategies could be implemented. A general evaluation of the system dynamics methodology revealed the significant advantages of using supportive modelling techniques for strategic decision making. Particularly for complex systems that change over time, such as reverse logistics, applying appropriate computer aided modelling in order to anticipate the overall effect on processes caused by varying surroundings has proven essential. An effective utilization of system dynamics may significantly reduce the forecasting and planning risks within individual frames, such as capacity planning. Moreover, the generic approach allows the application of the model to any other industry that is characterized by uncertain capacity utilization and varying technical, economical and legal conditions.

Green Supply Chain Management Joseph Sarkis 2017-10-05 This book gives students a thorough overview of the environmental issues that impact the supply chain and details strategic methods of addressing the political, social, technological, market, and economic concerns that have caused organizations to reconsider their impact. Readers will learn how to integrate the fields of operations management, procurement and purchasing, logistics, and marketing to create a successful green supply chain, looking outward to form sustainable partnerships rather than focusing their efforts inward on the company. Each chapter describes a function or dimension of green supply chains, supplemented with short vignettes to ground the theory in practice. The authors examine various industries, including electronics, food products, and pharmaceutical manufacturing, and draw on case studies from the Americas, Europe, Asia, and Oceania, allowing students to compare and contrast domestic and international practices. Blending industry insights with the latest academic thinking, the book considers hot button topics like global-local relationships, the role of third parties, green multitier supplier management, and blockchain technology management. Conclusive chapter summaries and plenty of visual aids help readers retain the information they need to improve environmental performance within, and beyond their organizations. Green Supply Chain Management is an excellent introduction to the topic for students and practitioners of supply chain management.

and environmental sustainability.

Quality Management in Reverse Logistics Vasilios Nikolaidis 2012-10-08 Quality Management in Reverse Logistics intends to develop, collect, examine and evaluate a number of quality management (QM) tools and techniques, which can be applied in practice in order to understand, review and improve any closed-loop supply chain process. In other words, the book aims to examine the existing relationship between various well-developed and thoroughly studied quality management techniques such as QM, quality assurance, standardization of processes and statistical quality control and the emerging research of reverse logistics. Quality Management in Reverse Logistics contains modeling and quantitative methods that are commonly used by practitioners and academics in the reverse logistics industry, as well as a thorough description of QM tools and techniques. The book leads the potential reader to broaden their scope of thinking and acting in the new, promising area of reverse logistics, where QM can be applied.

Operations, Logistics and Supply Chain Management Frank Zijm 2018-08-29 This book provides an overview of the most important trends and developments in logistics and supply chain research, making them available to practitioners and also serving as a point of reference for academicians. Operations and logistics are cornerstones of modern supply chains that in turn are essential for global business and economics. The composition, character and importance of supply chains and networks are rapidly changing, due to technological innovations such as Information and Communication Technologies, Sensors and Robotics, Internet of Things, and Additive Manufacturing, to name a few (often referred to as Industry 4.0). Societal developments such as environmental consciousness, urbanization or the optimal use of scarce resources are also impacting how supply chain networks are configured and operated. As a result, future supply chain design will not just be assessed in terms of cost-effectiveness and speed, but also the need to satisfy agility, resilience and sustainability requirements. To face these challenges, an understanding of the basic as well as more advanced concepts and recent innovations is essential in building competitive and sustainable supply chains and, as part of that, logistics operations. These span multiple disciplines and geographies, making them interdisciplinary and international. Therefore, this book contains contributions and views from a variety of experts from multiple countries, and combines management engineering as well as basic information technology and social concepts. In particular, it aims to: provide a comprehensive guide for all relevant and major logistics, operations, and supply chain management topics in teaching and business practice address three levels of expertise, i.e., concepts and principles at a basic (undergraduate, BS) level, advanced topics at a graduate level (MS), and finally recent (state-of-the-art) developments at a research level. In particular the latter serve to present a window on current and future (potential) logistics innovations in the different thematic fields for both researchers and top business practitioners integrate a textbook approach with matching case studies for effective teaching and learning discuss multiple international perspectives in order to represent adequately the true global nature of operations, logistics and supply chains.

Enterprise Supply Chain Management Vivek Sehgal 2009-06-22 ENTERPRISE SUPPLYCHAIN MANAGEMENT Integrating Best-in-Class Processes Is supply chain management all about forecasting? Or is it just a warehousing and transportation function? Demystifying the mystery supply chain management is for many, Enterprise Supply Chain Management: Integrating Best-in-Class Processes offers a comprehensive look at the role of this field within your organization. Written by industry leader Vivek Sehgal, this book invites you to evaluate your current supply chain management practices and leverage its best in class concepts to your own challenges. Drawing from the author's abundant research and analysis, this resourceful book shows how to manage a supply chain across an enterprise, encompassing strategic, technological, financial, procurement, and operational issues. You will find in this book a thoroughly functional view of the supply chain, so you can readily understand the meaning of processes and where they fit into your company's business. This essential book covers: A primer on supply chain and finance Elements of a supply chain model The scope of the supply chain Demand and supply planning Supply chain network design Transportation and warehouse management Supply chain collaboration Reverse logistics management Supply chain technology Whether you are a business manager, an IT manager, or a supply chain student, if you are looking for more of a comprehensive understanding of what the supply chain processes in your organization brings to the table and how each functions as part of the whole, Enterprise Supply Chain Management: Integrating Best-in-Class Processes is for you. Immensely functional on all aspects of supply chain management, this guide clearly explains how each process works and the relationships among them, allowing you to start implementing best-in-class approaches in your organization.

Reverse Logistics Mike Bernon 2015-03-10 While reverse logistics has always been an important part of the supply chain, its importance has grown substantially in the past few years. This has been driven by: increasingly generous return policies, growing legislation on product disposal, evermore global supply chains, rising consumer social responsibility awareness of the cost-saving potential. Moreover, research from Cranfield School of Management shows that companies can reduce costs by 20-40% by using reverse logistics techniques. In The Handbook of Reverse Logistics, Mike Bernon, John Cullen and Jonathan Gorst cover all the key issues in reverse logistics, including: reducing the level of returned goods; developing effective product return networks; options for product disposal that maximize asset recovery; and su

distribution. There is a dedicated chapter on circular supply chains. The book also features a valuable self-assessment audit tool for reverse logistics and is full of international case studies.

Introduction to Management of Reverse Logistics and Closed Loop Supply Chain Processes Do Palocz, Eszter Somberg
2004-11-29 Increasing legislative and environmental pressure requires businesses to become more responsive to products that either have been returned or that are at the end of their useful lives. Life cycles are getting shorter, and efficient handling can save large amounts of money since many materials can be extracted and reused or redistributed. Reverse logistics (RL) and closed loop supply chains (CLSC) have garnered growing interest as a way to manage this reverse flow of product in a cost effective way. Introduction to Management of Reverse Logistics (RL) and Closed Loop Supply Chain (CLSC) Processes provides an overall treatment of CLSC and RL, a qualitative and quantitative presentation of the size and dimensions of the overall market and industry, and a look at future trends. The author discusses key issues, trends in management and operation, strategic, tactical, and operational issues for implementation, and a pragmatic evaluation of the realities of running a CLSC or an RL business. Since most supply chains are not designed to handle reverse materials flows effectively, this is a crucial resource for managers who wish to ensure a smooth flow of goods while extracting the maximum value from returned and end-of-life goods.

Supply Chain Management Modeling Hossein Fazlollahtabar
2018-01-02 Supply Chain Management (SCM) is a wide field in which several specialties are included. In general, operations and production management players use SCM to solve the problems and analyze the solution approaches. Due to these points, a reference which can encompass a range of problems and their modelling approaches is required. This book will contain three general sections of forward, reverse, and intelligent, and uncertain problems. While the book provides different problems in the three commonly used categories of SCM, it is very helpful for the readers to find out, or adapt their own application studies to the ones given in the book to employ the corresponding modelling approach.

The Essentials of Supply Chain Management Hokey Min
2015-05-23 This is today's indispensable introduction to supply chain management for today's students and tomorrow's managers – not yesterday's! Prof. Hokey Min focuses on modern business strategies and applications – transcending obsolete logistics- and purchasing-driven approaches still found in many competitive books. Focusing on outcomes throughout, The Essentials of Supply Chain Management shows how to achieve continuous organizational success by applying modern supply chain concepts. Reflecting his extensive real-world experience working with leading executives and managers, Min teaches highly-effective methods for supply chain strategy thinking and problem-solving. You'll master an integrated Total System Approach that places functions like inventory control and transportation squarely in context, helping you smoothly integrate internal and external functions, and establish effective inter-firm cooperation and strategic alliances across complex supply chains. Coverage includes: Understanding modern sourcing, logistics, operations, sales, and marketing – and how they fit together Using modern supply chain methods to improve customer satisfaction and quality Working with cutting-edge supply chain technologies and metrics Moving towards greater sustainability and more effective risk management Working with core analytics to evaluate supply chain practices and measure performance Legal, ethical, cultural, and environmental/sustainability aspects of modern supply chain operations How to build a career in global supply chain management The Essentials of Supply Chain Management will be an indispensable resource for all graduate and undergraduate students in supply chain management, and for every practitioner pursuing professional certification or executive education in the field.

Achieving Excellence through Green Supply Chain Management in Manufacturing Hardeep Singh
2018-01-12 Green Supply Chain Management (GSCM) theaters a dynamic role in persuading the total environment effect of any industry involved in supply chain and backing to sustainable performance development. GSCM is evolved from SCM. In the 1990s, as competition increased, the enhanced cognizance of green practices has caused firms to act in a morally and generally accountable manner in their supply chains. In 1995, GSCM fascinated significant academic interest. In 2010, GSCM received uppermost attention. With GSCM practices in concentration, firms advance in environmental managing policies in reaction to the altered demands of ecological necessities and their influences on supply chain processes.

Supply Chain and Logistics Management Made Easy Paul A. Myerson
2015-04-06 THE PRACTICAL, EASY INTRODUCTION TO MODERN SUPPLY CHAIN/LOGISTICS MANAGEMENT FOR EVERY PROFESSIONAL AND STUDENT! COVERS CORE CONCEPTS, PLANNING, OPERATIONS, INTEGRATION, COLLABORATION, NETWORK DESIGN, AND MORE SHOWS HOW TO MEASURE, CONTROL, AND IMPROVE ANY SUPPLY CHAIN. INCLUDES PRACTICAL ADVICE FOR JUMPSTARTING YOUR OWN SUPPLY CHAIN CAREER This easy guide introduces the modern field of supply chain and logistics management, explains why it is central to business success, shows how its pieces fit together, and presents best practices you can use wherever you work. Myerson explains key concepts, tools, and applications in clear, simple language, with intuitive examples that make sense to any student or professional. He covers the entire field: from planning through operations, integration and collaboration through measurement, control, and improvement. You'll find practical insights on hot-button issues ranging from sustainability to the lean-agile supply chain. Myerson concludes by helping you anticipate key emerging trends—so you can advance.

quickly in your own career. Trillions of dollars are spent every year on supply chains and logistics. Supply chain management is one of the fastest growing areas of business, and salaries are rising alongside demand. Now, the easy, practical introduction to the entire field: a source of reliable knowledge and best practices for students and professionals alike. Paul A. Myerson teaches you all you'll need to start or move forward in your own supply chain career. Writing in plain English, he covers all the planning and management tasks needed to transform resources into finished products and services, and deliver them efficiently to customers. Using practical examples, Myerson reviews integration, collaboration, and technology issues that are essential to success in today's complex supply chains. You will learn how to measure your supply chain's performance, make it more agile and sustainable, and focus it on what matters most: adding customer value. MASTER NUTS-AND-BOLTS OPERATIONAL BEST PRACTICES Improve procurement, transportation, warehousing, ordering, reverse logistics, and more BUILD A BETTER GLOBAL SUPPLY CHAIN Manage new risks as you improve sustainability STRENGTHEN KEY LINKAGES WITH YOUR PARTNERS AND CUSTOMERS Get supply chains right by getting collaboration right PREVIEW THE FUTURE OF SUPPLY CHAINS—AND YOUR SUPPLY CHAIN CAREER Discover "where the puck is headed"—so you can get there first SUPPLY CHAIN MANAGEMENT AND REVERSE LOGISTICS Ilyas Masudin 2017-03-07 The study of logistics and supply chain management become a trending topic recently. Researcher and practitioners have been working to define the concept, strategy, framework and application of logistics and supply chain management in industrial operations. The competition is not between firms any more but it is all about logistics and supply chain management strategy in global competition. The progress of world wide regulations and law, global completion, the increasing demand from customers, social and environmental considerations and the sustainability issues has forced researchers and industrial practitioners to expand the perspective on beyond logistics and supply chain management concept. Reverse logistics and green supply chain management are such the innovative ideas for researcher to discuss and for industry practitioners to adopt. This book attempts to describe the concept of supply chain management and logistics in traditional system and figure out the progress of green supply chain management and reverse logistics study. The first two chapters of this book overview the concept of supply chain management in both perspective application of strategic and operational levels based on supply chain management's business process and supply chain management elements. The last two chapters of this book give special attention on these areas: green supply chain management and reverse logistics specifically on the previous studies that have been done by researchers. The overview and review of green supply chain management and reverse logistics in this book will help readers to understand more about the concept of logistics and supply chain management and would give new directions of further research in green supply chain management and reverse logistics.

Principles of Supply Chain Management, Second Edition Richard E. Crandall 2014-12-11 The second edition of this popular textbook presents a balanced overview of the principles of supply chain management. Going beyond the traditional supply chain text, Principles of Supply Chain Management not only details the individual components of the supply chain but also illustrates how the pieces must come together. To show the logic behind why supply chain management is essential, the text examines how supply chains are evolving, looks ahead to new developments, and provides a balanced look at supply chains with a focus on both the customer side and the supplier side of supply chains. See What's New in the Second Edition: Expanded coverage of current topics such as e-commerce, risk management, outsourcing and reshoring, sustainability, project management, and data analytics Increased emphasis on how customers are becoming more influential in steering product design Additional coverage of the use of data analytics to evaluate customer preferences and buying patterns A new chapter devoted to logistics and its increasing importance in supply chain management Company profiles of organizations with effective supply chains that illustrate the main theme of each chapter A "Key Topic" for each chapter, providing a description of a critical management issue to stimulate class discussion A complete set of instructor materials for each chapter, including presentation slides, test banks, class exercises, discussion questions, and more From the point of distribution to the final customer, all the way back to the point of origin at the mine, the text provides examples and case histories that illustrate a proven approach for achieving effective supply chain integration. This self-contained resource provides readers with a realistic appraisal of the state of the art in supply chain management and the understanding needed to build and manage effective supply chains in a wide range of industries. Most importantly, it emphasizes the need for building and maintaining collaboration among all members of the supply chain.

Sustainable Operations and Supply Chain Management Valeria Belvedere 2017-01-31 Sustainable Operations and Supply Chain Management addresses the most relevant topics of operations and supply chain management from a holistic perspective of sustainability. The main focus is to provide a step by step guide for managerial decisions made along the product life-cycle, following a path made up of the following steps: product design, sourcing, manufacturing, packaging, and physical distribution, reverses logistics and recovery.

Reverse logistics. An analysis Skaksen 2013-09-11 Project Report from the year 2011 in the subject Business Administration - economics - Supply, Production, Logistics, grade: 9.5 of 10, Griffith University (MBA - Business), course: Strategic

Supply Chain Management, language: English, abstract: This research report will describe, analyse and evaluate an increasingly relevant topic within global business logics, namely Reverse Logistics. Two main external drivers as well as the major internal motives to establish a Reverse Logistics network will be identified and examined. The following definition of Reverse Logistics by Hawkins will be utilized in this report: "the process of planning, implementing, and controlling the efficient, cost effective flow of raw materials, in-process inventory, finished goods and related information from the point of consumption to the point of origin for the purpose of recapturing value or proper disposal" ("reference", 2006).

Sustainability and Collaboration in Supply Chain Management Wolfgang Kersten 2013-08-22 As the customer is demanding more sustainable and affordable products, the supply chains have to find innovative ways to fulfill their needs. In this context, collaboration as well as optimization methods are becoming even more evident to enhance supply chain structure to an efficient and sustainable approach. While collaboration and optimization increase complexity and vulnerability, risk management needs to be applied concurrently. This volume, edited by Wolfgang Kersten, Thorsten Blecker and Christian Ringle, provides valuable insights into: - Sustainability in Logistics - Sustainability and collaboration practices - Supply chain risk management - Optimization methods in supply chain management. This volume addresses timely and relevant topics. Both researchers and practitioners are addressed and can obtain valuable information from current distributions by international authors presenting a state of the art research overview.

Sustainable Logistics and Supply Chain Management David B. Grant 2017-04-03 Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations. Based on extensive research, this book covers the whole scope of sustainable logistics. The case studies, with particular emphasis on use in a teaching context, relate the theoretical concepts to practice and what is happening 'on the ground'. Sustainable Logistics and Supply Chain Management examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; environmental impact of freight transport; sustainable warehousing and storage; and much more. Sustainable Logistics and Supply Chain Management is a highly accessible guide to sustainable supply chain management. It provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green logistics management. A vital teaching resource for courses on sustainable logistics, this revised edition includes supporting online materials.

Logistics Management and Strategy Atagya Harrison 2008 Logistic management is a vital part of any business operation. This volume provides up-to-the-minute information on all aspects of strategic planning and business logistics.

Green Supply Chain Management Charisios Achillas 2018-10-31 Today, one of the top priorities of an organization's modern corporate strategy is to portray itself as socially responsible and environmentally sustainable. As a focal point of sustainability initiatives, green supply chain management has emerged as a key strategy that can provide competitive advantages with significant parallel gains for company profitability. In designing a green supply chain, the intent is the adoption of comprehensive and cross-business sustainability principles, from the product conception stage to the end-of-life stage. In this context, green initiatives relate to tangible and intangible corporate benefits. Sustainability reports from numerous companies reveal that greening their supply chains has helped reduce operating cost, thus boosting productivity, effectiveness and efficiency while increasing sustainability of the business. Green Supply Chain Management provides a strategic overview of sustainable supply chain management, shedding light on the theoretical background and key principles of the topic. Specifically, this book covers various thematic areas including benefits and impact of green supply chain management; enablers and barriers on supply chain operations; inbound and outbound logistics considerations; and production, packaging and reverse logistics under the notion of "greening". The ultimate aim of this textbook is to highlight the challenges in the implementation of green supply chain management in modern companies and to provide a roadmap for decision-making in real-life cases. Combining chapter summaries and discussion questions, this book provides an accessible and student-friendly introduction to green supply chain management and will be of great value to students, scholars and practitioners in the fields of sustainable business and supply chain management.

Logistics Operations, Supply Chain Management and Sustainability Paulina Golinska 2014-06-10 The aim of this book is to present qualitative and quantitative aspects of logistics operations and supply chain management which help to implement the sustainable policy principles in the companies and public sector's institutions. Authors in individual chapters address the issues related to reverse network configuration, forward and reverse supply chain integration, reduction in transportation, improvement of the production operations and management of the recovery activities. Best practices from different countries and industries are presented. This book will be valuable to both academic researchers and practitioners wishing to deepen their knowledge in the field of logistics operations and management with regard to sustainability issues.

Assessing Reverse Logistics Drivers Practices in Ghana Gilbert Francis 2022-09-29 Akademische Arbeit aus dem Fachbereich BWL - Beschaffung, Produktion, Logistik, Kwame Nkrumah University of Science and Technology,

Sprache: Deutsch, Abstract: The purpose of the study is to assess the current status of reverse logistics management practices in Ghana. The specific objective is to determine the policies drivers of reverse logistics practices in the framework. By identify reverse logistics management practices, to determine the policies drivers of reverse logistics practices in Ghana. A questionnaire was used for the data collection from the channel member. A survey has been used to assess reverse logistics management practices in Ghanaian context. It was seen from the survey that implementation of reverse logistics programs in Ghana as a strategic decision. Volume of products entering the return stream is a key driver of reverse logistics activities. Some of the most important observations of this research are primarily adopted reverse logistics due to the expected business benefits and social responsibility associated with them, environmental issues, customer request. The present study would be suitable for benchmarking authorities/ administrators for considerate strategic, tactical and operational-level issues of reverse logistics with respect to Ghanaian context. Also, logistics managers should develop appropriate strategies for successful implementation of reverse logistics programs.

Supply Chain Management On Demand [An Hansjorerg Fromn 2006-04-03](#) In today's global economy, enterprises are changing continually, entering into new markets, encountering new competitors, introducing new products and restructuring themselves through mergers, acquisitions, alliances and divestitures. In order to stay competitive in these environments, enterprises require supply chain management solutions that are agile, responsive, resilient and dynamic. With the advances in supply chain management technologies and practices, supply chain becomes more dynamic or what we call on-demand supply chains. This book introduces some of these advanced concepts to make supply chains more adaptive and presents actual examples, many of which have been taken for early implementations at IBM supply chain operations. Chapter 1: Beyond ROI Chapter 2: Supply Chain Simulation Chapter 3: Inventory Management in the e-Business Era Chapter 4: Technology Value Chains Chapter 5: Product Pricing in the e-Business Era Chapter 6: Applications of Implosion in Manufacturing Chapter 7: Strategic Sourcing and Procurement Chapter 8: Managing Risk with Structured Supply Chain Agreements Chapter 9: Reverse Logistics - Capturing Value in the Extended Supply Chain Chapter 10: Service Parts Logistics Management Chapter 11: Business Process Integration Chapter 12: Collaboration in e-Supply Networks Chapter 12: Sense and Respond Business Performance Management

[Reverse Logistics](#) [Rommert Dekker 2004-01-22](#) This book addresses decision making in reverse logistics, which covers the integration of used and obsolete products back into the supply chain as valuable resources. It covers a wide range of aspects, related to distribution, production and inventory management, and supply chain management. For each aspect, it highlights key managerial issues in real-life examples and explains which quantitative models are available for addressing them. By treating a broad range of issues in a unified way, the book offers the reader a comprehensive view on reverse logistics.

[Supply Chain Management and Reverse Logistics](#) [Harald Dyckhoff 2004](#) The world of logistics has considerably changed in the last years. There has been a steady evolution due to globalization, modern information technology, and environmental and increasing ecological awareness. Many firms have meanwhile implemented large Supply Chain Management (SCM) systems - sometimes already developed to global logistic networks. This book reflects major trends of the recent SCM and, additionally, presents ideas and visions for logistic networks of the 21st century from a strictly scientific view. Though the book deals with quite a lot of different perspectives on the same problem, namely how to effectively establish elements of a supply chain, it stresses one essential figure of SCM: closing the loop of a supply chain by integrating waste materials into logistic management decisions. Reverse logistics has gained central importance by sustainable developments in society and legislation in the past. The book is based on the premise that economic and political decision makers can no longer afford to ignore the ecological issues of logistics. Many excellent research results from several fields of logistics have contributed to this book. Most of them have been involved in the major developments of SCM methods and concepts during recent years. Therefore, we are very glad and grateful to have them gathered together in this volume.

[Principles of Supply Chain Management](#) [Richard E. Crandall 2009-12-15](#) Going beyond the usual supply chain text, Principles of Supply Chain Management not only details the individual components of the supply chain but also illustrates how the pieces must come together. Providing the logic behind why supply chain management is essential, the text examines how supply chains are evolving, looks ahead to future developments, and provides a comprehensive overview of the field.

[Cases on Supply Chain Management and Lessons Learned From COVID-19](#) [Ana Paula 2022-01-07](#) In recent years, due to the increasingly aggressive market competition, it is essential to evaluate the role of logistics and supply chain management skills and applications for the success of any organization or business. The COVID-19 pandemic revealed the fragility of the sustainability of economic organization, production, and supply chains globally. Cases on Supply Chain Management and Lessons Learned From COVID-19 collects compelling case studies, theoretical and empirical research, experiences, and applications on numerous aspects of logistics and supply chain management. It not only focuses on industry and digital transformation and the critical nature of organizational agility, but also presents different methods, techniques, models, and competitive advantage prospects, providing an extremely relevant and practical guide for managers.

view of the subject matter. Covering topics such as green supply chain management, organizational performance, supply chain disruptions, this book is the ideal reference source for managers, supply chain specialists, entrepreneurs, business professionals, consultants, researchers, academicians, educators, and students.

Sustainable Supply Chain Management Faruk Krmac 2016-06-30 The book is a collection of studies dedicated to different perspectives of three dimensions or pillars of the sustainability of supply chain and supply chain management: economic, environmental, and social - and other aspects related to performance evaluation, optimization, and modeling of and for sustainable supply chain management, and thus presents another valuable contribution to sustainable development and sustainable way of life.

Supply Chain Management and Reverse Logistics Harald Dyckhoff 2013-06-05 The world of logistics has considerably changed due to globalization, modern information technology, and especially increasing ecological awareness. Large Supply Chain Management (SCM) systems are developing to global logistic networks. This book reflects major trends of the recent decade in SCM and, additionally, presents ideas and visions for logistic networks of the 21st century. In the various aspects of SCM, emphasis is placed on reverse logistics: closing the loop of a supply chain by integrating returned materials into logistic management decisions.

Managing Supply Chains René de Koster 2007 Supply chain management (SCM) is growing both as a research subject and as a crucial field of importance in companies. In order to obtain sustainable supply chain success, well managed long-term relationships among the supply chain partners turn out to be indispensable. Therefore, the book is divided into two parts: Part I (supply chain relations) focuses on topics such as supply chain design and partner selection, while Part II (supply chain processes) deals with shorter term decisions in executing supply chain processes beyond firm boundaries.

Green Supply Chain Management for Sustainable Business Practice M. Mahmood 2016-07-27 The issue of sustainability has become a vital discussion in many industries within the public and private sectors. In the business realm, incorporating such practices allows organizations to re-design their operations more effectively. Green Supply Chain Management for Sustainable Business Practice examines the challenges and benefits of implementing sustainability into the core functions of contemporary enterprises, focusing on how green approaches improve operations in an ecological way. Highlighting key concepts, emerging innovations, and future directions, this book is a pivotal reference source for professionals, managers, educators, and upper-level students.

Dynamische Aspekte der Reverse Logistics in Closed-Loop Supply Chains J. C. Mertens 2009-05-17 Diplomarbeit aus dem Jahr 2005 im Fachbereich BWL - Industriebetriebslehre, Note: 1,3, Universität Mannheim, Sprache: Deutsch. Abstract: Die vorliegende Arbeit hat sich zum Ziel gesetzt, erhöhte Komplexität und Kausalzusammenhänge innerhalb einer Closed-Loop Supply Chain im Rahmen des System-Dynamics-Ansatzes abzubilden. Mittels des Simulationsansatzes sollen grundlegende Erkenntnisse über die dynamischen Auswirkungen einer Integration von Sekundärressourcen in den Produktionsprozess gewonnen werden. Besondere Beachtung wird dabei den Implikationen der Reverse Logistics auf das Systemverhalten infolge exogener Störungen in der Nachfrage (Bullwhip-Effekt) zuteil. Zum Erreichen der Zielsetzung wird folgender Lösungsweg eingeschlagen: In Kapitel 2 wird auf Umfeld und Prozesse der Reverse Logistics eingegangen, um so den Rahmen für die spätere Modellentwicklung aufzuspannen. Dazu werden zunächst gesetzliche Grundlagen, direkte und indirekte ökonomische Anreize als Ursachen der Produktrücknahmen seitens der Hersteller identifiziert. Darauf folgend werden verschiedene Quellen und Senken der Produktrückflüsse definiert und Reverse Logistics an einer viergliedrigen Prozesskette charakterisiert. Abschließend erfolgt eine Systematisierung der dem RL-Umfeld inhärenten Unsicherheiten und Angebotsunsicherheit. In Kapitel 3 wird auf Basis der gewonnenen Erkenntnisse ein System-Dynamics-Modell einer generischen Closed-Loop Supply Chain konzipiert, dessen Ausgangsstruktur anhand der wesentlichen Modellsektoren Produktion, Produktnutzung und Reverse Logistics erläutert wird. Darauf folgen eine Validierung der Modellstruktur sowie eine Diskussion der durch Simulation des Basismodells gewonnenen Ergebnisse. Die in Kapitel 4 zunächst vorgenommene Erweiterung des System-Dynamics-Modells um eine sektorübergreifende Koordination der Produktion und Recyclingprozesse strebt eine Verbesserung des zuvor beobachteten Systemverhaltens an. Sich daran anschließend Szenarioanalysen betrachten Auswirkungen der Reverse Logistics.

Sustainability in Supply Chain Management Casebook M. Leon 2013-07-18 This reference is a comprehensive collection of original case studies on building sustainability into the supply chain. An ideal resource for graduate and executive courses in sustainability, operations management, and supply chain/logistics, The Sustainability in Supply Chain Management Casebook covers a wide spectrum of social, economic and environmental issues; as well as topics such as reverse logistics and closed-loop supply chains. Steven Leon covers these and other specific topics: strategy implementation, decision making, transportation, supplier relationships, collaboration, lean and continuous improvement, finance and economics, worker safety and rights, procurement, production, delivery, packaging, logistics, and global supply chains. He frames these case studies with authoritative introductory material, and offers corresponding teaching notes and Q and A sections that make this an even more useful instructional resource.

Principles of Global Supply Chain Management Yanjip Lau 2019-06-15 Supply chain management is the cornerstone of

the competitive strategies of many present-day organizations and has evolved from the operational to the strategic. Understanding this, *Principles of Global Supply Chain Management* offers a comprehensive insight into the global supply chain sector—analyzing the strategic, operational and financial aspects of the industry, and addressing the key elements of the management of global supply chains. The key topics of each chapter demonstrate a variety of fundamental issues in the supply chain industry: What are supply chain markets? What is the supply chain cost structure? What are supply chain strategies? How do supply chain firms design and implement strategies? What are the key roles of logistics providers, logistics education operators and logistics associations? How should supply chain operations be managed? How is a sustainable and innovative supply chain structure created? Comparative practical case studies from Asia, North America and Latin America lend weight to the chapters.

Global Logistics and Supply Chain Management Mangan 2020-12-07 *Global Logistics and Supply Chain Management* is a comprehensive, fully up-to-date introduction to the subject. Addressing both practical and strategic perspectives, this revised and updated fourth edition offers readers a balanced and integrated presentation of Logistics and Supply Chain Management (LSCM) concepts, practices, technologies, and applications. Contributions from experts in specific areas of LSCM provide readers with real-world insights on supply chain relationships, transport security, inventory management, supply chain designs, the challenges inherent to globalization and international trade, and more. The text examines how information, materials, products, and services flow across the public and private sectors around the world. Detailed case studies highlight LSCM practices and strategies in a wide range of contexts, from humanitarian aid and pharmaceutical supply chains to semi-automated distribution centers and port and air cargo logistics. Examples of LSCM in global corporations such as Dell Computer and Jaguar Land Rover highlight the role of new and emerging technologies. This edition features new and expanded discussion of contemporary topics including sustainability, supply chain vulnerability, and reverse logistics, and places greater emphasis on operations management.