Maritime Logistics A Complete Guide To Effective Shipping And Port Management

Concept in improving trading efficiency between trading partners and international carriers from traditional to a new partnerships trade and transport. This report examines the issues that need to be considered before the decision to proceed to costly expansions with long-life spans and a structural influence on the local and national economy. The report benefits from a case study of Chile.


The maritime sector is dynamic and volatile, creating the need for continuous monitoring of the latest developments and their effects on the organisation, management and strategies of shipping companies. This book analyses the business environment of these companies and the approaches they adopt in organising and managing their activities. Management of Shipping Companies aims to facilitate the learning and understanding of the fascinating world of shipping business. It examines the organisation and management of companies which manage ocean-going ships, emphasising the special characteristics of the industry and the framework created by these. This textbook offers a detailed account of the companies' processes and functions, the structural and contextual dimensions of their organisation, as well as an analysis of human resources, safety management and the outsourcing of shipping operations. Written in an easily digestible and critical manner, it includes case studies and analysis of best practices implemented by companies worldwide. This unique and accessible book is an ideal text for students in maritime studies programs as well as readers interested in learning about maritime businesses' organisation and management.

This multidisciplinary book delivers a unique collection of well-considered, empirically rich and critical contributions on maritime transport geographies. It covers a wide range of markets and territories as well as institutional, environmental and future issues. This handbook provides a wide-ranging, coherent, and systematic analysis of maritime management, policy, and strategy development. It undertakes a comprehensive examination of the fields of management and policy-making in shipping by bringing together chapters on key topics of seminal scientific and practical importance. Within 21 original chapters, authoritative experts describe and analyze concepts at the cutting edge of knowledge in shipping. Themes include maritime management and policy, ship finance, port and maritime economics, and maritime logistics. A study examines the determinants of ship management fees. Aspects of corporate governance in the shipping industry are reviewed and there is a critical review of the ship investment literature. Other topics featured include the organization and management of tanker and dry bulk shipping companies, environmental management in shipping with reference to energy-efficient ship operation, a study of the BIMCO Shipping KPI standard, utilizing the Bunker Adjustment Factor as a strategic decision-making instrument, and slow steaming in the maritime industry. All chapters are written to provide implications for further advancement in professional practice and research. The Routledge Handbook of Maritime Management will be of great interest to relevant students, researchers, academics, and professionals alike. It provides abundant opportunities to guide further research in the areas covered but will also initiate and inspire effective maritime management.

This book belongs to the Port Economics and Global Supply Chain Management strand of the Palgrave Studies in Maritime Economics book series, commissioned by Hercules Haralambides. This book addresses the strategic alignment between port authorities and their supply chain partners, with a focus on governance challenges. Many port (authority) managers are engaged in efforts to improve their strategic alignment with business partners in their proximate geographic region, yet the economic objectives pursued can vary widely. These objectives can include improvements in port competitiveness and stability of traffic flows, as well as better access to scarce resources such as land and capital, or simply more control over the logistics chain. Using various Benelux seaports as case studies, the authors of this volume show that improving strategic alignment can involve a wide variety of different governance choices, ranging from top-down to bottom-up alliance formation, from project-driven to multi-activity collaboration, and from long-term contracting to full-fledged mergers. This book with state-of-the-art insight on modern port governance will be of interest to port managers around the globe, as well as to lecturers and students in maritime educational programs. Chapter 4 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. Maritime Logistics examines the latest development, knowledge and practices taking place in logistics and supply chain within the port and shipping industry. Written by a team of international experts, who provide a truly global perspective on this increasingly key area of logistics, the book covers everything that students of logistics, as well as those working within the industry should know and understand including shipping lines, dry bulk and port-
centric logistics.

Blockchain is a disruptive technology potentially impacting how economic transactions are recorded, stored, and verified. Despite such ramifications, there is a lack of literature discussing this from the accountant’s perspective. Through real-world cases this book distills an abstract technology to relatable experiences for business professionals.

Do you enter international markets or link to transfer points for intermodal transport? What is the relationship of your shipping agents to carriers, customs and shippers? Do transport intermediaries have access to the global network of service providers? What services do forwarders and brokers play in the supply chain process? Do controls discriminate against foreign providers of logistics services? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, “What are you really trying to accomplish here? And is there a different way to look at it?” This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make Logistics and Supply Chain Management investments work better. This Logistics and Supply Chain Management All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Logistics and Supply Chain Management Self-Assessment. Featuring 910 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Logistics and Supply Chain Management improvements can be made. In using the questions you will be better able to: - diagnose Logistics and Supply Chain Management projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Logistics and Supply Chain Management and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Logistics and Supply Chain Management Scorecard, you will develop a clear picture of which Logistics and Supply Chain Management areas need attention. Your purchase includes access details to the Logistics and Supply Chain Management self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Logistics and Supply Chain Management Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

This is the most authoritative and complete guide to planning, implementing, measuring, and optimizing world-class supply chain order fulfillment and customer service processes. Straight from the Council of Supply Chain Management Professionals (CSCMP), it brings together up-to-the-minute knowledge and best practices for all facets of order fulfillment and customer service process management, from initial customer inquiry through post sales service and support. CSCMP and contributor Stanley Fawcett introduce crucial concepts ranging from customer order cycles to available-to-promise and supply chain RFID to global order capture networks. The Definitive Guide to Order Fulfillment and Customer Service imparts a deep understanding of each crucial process, helping readers optimize your most important customer contacts. Coverage includes: Basic concepts of order fulfillment and customer service, and their essential roles in meeting customer expectations Key elements and processes in order fulfillment and customer service, and interactions amongst them Principles and strategies for establishing efficient, effective, and sustainable order fulfillment and customer service processes The critical role of technology in managing order fulfillment and customer service processes Requirements and challenges of global order fulfillment and customer service processes Best practices for assessing the performance of order fulfillment and customer service processes using standard metrics and frameworks For all supply chain and operations managers, students, and other business professionals and decision-makers who are concerned with order fulfillment or customer service. The tactical organization of resources is a vital component to any industry in modern society. Effectively managing the flow of materials through various networks ensures that the requirements of customers are met. Sustainable Logistics and Strategic Transportation Planning is a pivotal reference source for the latest research on the management of logistics through the lens of sustainability, as well as for emerging procedures that are particularly critical to the transportation sector. Highlighting international perspectives, conceptual frameworks, and targeted investigations, this book is ideally designed for policy makers, professionals, researchers, and upper-level students interested in logistics and transport systems.

Seminar paper from the year 2014 in the subject Business economics - Supply, Production, Logistics, grade: 1.5, Heriot-Watt University Edinburgh, course: Maritime Logistics, language: English, abstract: This assignment reviews the latest status between the Port of Singapore (PSA) and the Port of Tanjung Pelepas (PTP). In November 1999, PTP was officially opened and declared its goal of challenging PSA to become East Asia’s leading transshipment hub. Up to then, PSA was the dominant transshipment hub, thus enjoying a monopoly in this business of Southeast Asia. Effective logistics management has played a vital role in delivering products and services, and driving research into finding ever improving theoretical and technological solutions. While often thought of in terms of the business world, logistics and operations management strategies can also be effectively applied within the military, aeronautical, and maritime sectors. The Handbook of Research on Military, Aeronautical, and Maritime Logistics and Operations compiles interdisciplinary research on diverse issues related to logistics from an inclusive range of methodological perspectives. This publication focuses on original contributions in the form of theoretical, experimental research, and case studies on logistics strategies and operations management with an emphasis on military, aeronautical, and maritime environments. Academics and professionals operating in business environments, government institutions, and military research will find this publication beneficial to their research and professional endeavors.

Master the key technological developments, risks and threats within maritime logistics using the formative approach presented by this key textbook.
This book addresses myriad of issues and challenges in the field of port, maritime and hinterland development in Southeast Asia from multidisciplinary perspectives. Instead of focusing on only certain aspects of the maritime discipline, the book presents a range of different viewpoint from business development and management, historical development, geography, law, and others. Although the book is made in the form of an edited book, readers will benefit and gain knowledge on many important issues in the field of port, maritime and hinterland development in Southeast Asia. This book will also be beneficial to all parties in this area, including policy and decision makers, government officials, port authorities, port operators or terminal operators, maritime-related service providers such as freight forwarders in port, ship agents, navigation officers, customs brokers, stevedores and other port users, shippers, passengers, and carriers. This book is also catered for those involved in maritime research or students who take maritime subject, or to the public who are interested in maritime issues. The contributors of this book are experts from diverse backgrounds with extensive experience in the fields of port, maritime and hinterland development. This is because we believe that maritime studies are intertwined with many aspects of life from environmental management to disputes at the sea, which will affect the maritime trade industry. Hence, issues in this book are also various. However, the emphasis is on the development of port, maritime and hinterland sector in Southeast Asia.

Maritime Technology and Engineering includes the papers presented at the 2nd International Conference on Maritime Technology and Engineering (MARTECH 2014, Lisbon, Portugal, 15-17 October 2014). The contributions reflect the internationalization of the maritime sector, and cover a wide range of topics: Ports; Maritime transportation; Inland navigat Infrastructure Investment in Indonesia: A Focus on Ports presents an important and original collation of current material investigating the efficient facilitation of major infrastructure projects in Indonesia and Australia, with an emphasis on infrastructure investment and a focus on port planning and development. This interdisciplinary collection—spanning the disciplines of engineering, law and planning—draws helpfully on a range of practical and theoretical perspectives. It is the collaborative effort of leading experts in the fields of infrastructure project initiation and financing, and is based on international research conducted by the University of Melbourne, Universitas Indonesia and Universitas Gadjah Mada. The volume opens with a macroscopic perspective, outlining the broader economic situations confronting Indonesia and Australia, before adopting a more microscopic perspective to closely examine the issues surrounding major infrastructure investment in both countries. Detailed case studies are provided, key challenges are identified, and evidence-based solutions are offered. These solutions respond to such topical issues as how to overcome delays in infrastructure project initiation; how to enhance project decision-making for the selection and evaluation of projects; how to improve overall efficiency in the arrangement of project finance and governance; and how to increase the return provided by investment in infrastructure. Special focus is given to proposed improvements to the portal cities of Indonesia in the areas of major infrastructure project governance, policies, engagement, operation and processes. By rigorously investigating the economic, transport, finance and policy aspects of infrastructure investment, this book will be a valuable resource for policy makers and government officials in Indonesia and Australia, infrastructure investment organisations, and companies involved in exporting services between Indonesia and Australia. This book will also be of interest to researchers and students of infrastructure planning and financing, setting a solid foundation for subsequent investigations of financing options for large-scale infrastructure developments. “Mariners’ Adaptive Performance under Stress” focuses on the research question of direct and indirect effects of varying conditions of task-integral cognitive and affective demands on adaptive performance of novice bridge operators. The work draws theoretically on contextual models of cognition as well as appraisal theoretical frameworks of affect elicitation and experience. The respective research hypotheses reflect expected individual and team-related adaptive responses at and after the onset of ambiguous trigger events with a prominent affective component when performing a complex ship management task. Adaptive performance was measured by means of behavioural parameters with a relevance to normal and critical operations: Visual behaviour of officers of the watch, Threat and Error Management and Non-Technical Skill performance of bridge crews, and risk-related crew decision-making. Additional surveys were employed for the assessment of the task-related affective states and trigger event appraisals. The results suggest that the observed adaptive performance, especially on the team level, is strongly affected by the co-occurrence of constraining context conditions and the conspicuousness of the affective component of emerging events. Consequently, the work argues for an integrated approach towards combining cognition and affect for modelling human behaviour in dynamic environments. It showcases the need for further research of cognition, affect and their combined effects in the naturalistic context of work in order to comprehend the behaviour of the human element in practice beyond the obscuring veil of hindsight and outcome-based evaluations. This book presents insights from cutting-edge international business and management research relating to Africa. Economic growth and foreign investment in the region remains strong, despite some slowing down in recent years. This trend of economic growth and its impact on international trade and FDI has attracted Western businesses, eager to capitalize on this emerging market. In this context, new relationships and interactions have stimulated business research on Africa. Split into four parts covering the internationalization process, international logistics, trans-border corporate social responsibility and trust in Africa, the book covers a range of emerging trends, academic discussion and evolving issues across the spectrum of business research. It is a valuable read for students, researchers and practitioners interested in doing business in Africa. Maritime Supply Chains breaks the maritime chain into components, consistently relating them to the overall integrated supply chain. The book not only analyzes and provides solutions to frequently encountered problems and key operational issues, it also applies cutting-edge scientific techniques on the maritime supply chain. Sections consider shipping, ports and terminals, hinterland and the issues that intersect different parts of the chain. Readers will find discussions of the various actors at play and how they relate to the overall function of the supply chain. Finally, the book offers solutions to the most pressing problems, thus providing a unique, well-balanced account. Provides a comprehensive and integrative account of the maritime supply chain, from shipping, to port, to hinterland Cuts through the maritime supply chain to offer a transversal picture on how the chain functions Applies rigorous analytical techniques to give solutions to the most frequent and pressing challenges facing maritime supply chains Considers advances, such as blockchain, that are set to transform maritime supply chains The first volume in a new Springer Series on Shipping and Transport Logistics, Oil Transport Management provides a full historical account of the evolution of the oil transport industry since the 1800's. In this comprehensive guide, the authors investigate the industry and describe the shipping market and its structure, as well as forecasting, location plan and the transportation
chain. They dedicate a separate chapter to each topic to cover various concepts, including: an introduction to the tanker shipping market, including how the freight, new vessel building, second hand and demolition markets influence one another, the economic structure and organization of the tanker industry in both the past and present, and forecasting the need for oil-based sea transportation. Further chapters present case studies and simulations to illustrate the importance of factory location decisions and the need for oil infrastructure investments. Chapter One also includes a regression equation to predict the fleet size in tanker shipping. Oil Transport Management is a key reference, which can be practically applied to wider global research and practices. Ideal for both industry practitioners, and researchers and students of shipping studies, Oil Transport Management provides a concise yet comprehensive coverage of the oil transport industry's history and a guide for its future development.

Trade and transport corridors are fundamental to the overland movement of international trade, particularly for landlocked countries. This book provides tools and techniques for the design of trade and transport corridor projects. It is meant for task managers, policy makers, and corridor service providers.

Maritime Logistics: A Guide to Contemporary Shipping and Port Management

This publication identifies the main regulatory obstacles of the following transport sectors in Mexico: road transport, railways, ports, border crossing, and airway passengers. The report also offers recommendations to improve the quality of the regulatory framework of these sectors. The definitive guide to supply chain philosophy, strategy AND the practicalities of logistics and distribution. The Handbook of Logistics and Distribution Management is a step-by-step guide to setting up and managing supply chains to add maximum value to the organisations they serve. Benefiting from the author team's years of practical field-based experience in some of the most challenging environments across the world from developed economies to third world countries and war zones, this is a book that will enthuse students and be an invaluable desk reference throughout the careers of practitioners. Packed with worked examples and real-world data The Handbook of Logistics and Distribution Management offers complete coverage on all the key aspects of distribution, logistics and supply chain planning and management with clear and straightforward explanations. This is not a compilation of work drawn from a disparate collection of research papers and miscellaneous projects but a logical and complete holistic view of how supply chains fit together including the detailed, nitty gritty of the distribution and logistics.

Globalisation, increased competition and new technologies have all changed the landscape in which supply chains operate. This fully revised 6th edition of The Handbook of Logistics and Distribution Management provides solutions to the key challenges. With new material on international freight forwarding, environmental best practice, cool chain, intermodal shipping and outsourcing and a new, detailed index of contents this is the ultimate study/reference companion. New online resources including PowerPoint lecture slides (tables, images and formulae from the text), glossary of terms, weblinks, blog articles, video interviews and infographics.

Global Logistics Network Modelling and Policy provides guidelines on quality policy, covering investments, management and planning for port and hinterland infrastructure, roads, railways and inland waterway ports. The book first describes the authors' concept and formulation models, followed by a description and analysis of the applied data. As shipping companies fiercely compete in an effort to achieve greater efficiency and impact infrastructure policy and plan for the entire supply chain, they need tactics that drive quality transportation policy and new ways to model and simulate worldwide cargo movements, while all estimating demand and capacity of systems. This book provides quantitative tools for modeling, analysis, and simulation of worldwide, inter-modal cargo movement – helping forecast the impacts of logistics and related policies in each region of the world. It covers useful applications for every region of the world, allowing policymakers to tailor results for their own specific uses. Delivers sophisticated quantitative tools for modeling simulations, providing powerful analysis of global intermodal cargo movements Features examples of tools applied to logistical policy situations in every region of the world. Serves as a bridge between theory and practice in the field of freight transportation research Provides detailed, data-supported case studies and real-world examples for transportation modelers, planners and policymakers.

Applying sophisticated management techniques to freight transport offers the potential for significant cost savings as well as greater efficiency. Yet the inherent complexity of intermodal transport presents many challenges. This practical textbook on the operations of intermodal transport and logistics focuses on the practical concerns and the basics of operations, such as vehicles, containers, handling operations, logistics management and optimisation. All chapters are written by field specialists, and the volume includes additional chapters on economics, law and the environment to put the practical topics into context. It presents a balanced textbook for postgraduate students and also a reference text for those in industry or the public sector involved in the planning of intermodal freight transport.

Maritime transport is one of the most ancient supports to human interactions across history and it still supports more than 90% of world trade volumes today. The changing connectivity of maritime networks is of crucial importance to port, transport, and economic development and planning. The way ports, terminals, but also cities, regions and countries, are connected with each other through maritime flows is not well-known and difficult to represent and measure, even for the transport actors themselves. There is a strong, urgent need for reviewing the relevant theories, concepts, methods, and sources that can be mobilized for the analysis of maritime networks. With contributions from reputable scholars from all over the world, this book investigates the analysis of maritime flows and networks from diverse disciplinary angles going across archaeology, history, geography, regional science, economics, mathematics, physics, and computer sciences. Based on a vast array of methods, such as Geographical Information Systems (GIS), spatial analysis, complex networks, modelling, and simulation, it addresses several crucial issues related with port hierarchy; route density; modal interdependency; network robustness and vulnerability; traffic concentration and seasonality; technological change and urban/region economic development. This book examines new evidence about how socio-economic trends are reflected (but also influenced) by maritime flows and networks, and about the way this knowledge can support and enhance decision-making in relation to the development of ports, supply chains, and transport networks in general. This book is an ideal companion to anyone
interested in the network analysis of transport systems and economic systems in general, as well as the effective ways to analyse large datasets to answer complex issues in transportation and socio-economic development.

In the last 25 years, information systems have had a disruptive effect on society and business. Up until recently though, the majority of passengers and goods were transported by sea in many ways similar to the way they were at the turn of the previous century. Gradually, advanced information technologies are being introduced, in an attempt to make shipping safer, greener, more efficient, and transparent. The emerging field of Maritime Informatics studies the application of information technology and information systems to maritime transportation. Maritime Informatics can be considered as both a field of study and domain of application. As an application domain, it is the outlet of innovations originating from data science and artificial intelligence; as a field of study, it is positioned between computer science and marine engineering. This new field’s complexity lies within this duality because it is faced with disciplinary barriers yet demands a systemic, transdisciplinary approach. At present, there is a growing body of knowledge that remains undocumented in a single source or textbook designed to assist students and practitioners.

This highly useful textbook/reference starts by introducing required knowledge, algorithmic approaches, and technical details, before presenting real-world applications. The aim is to present interested audiences with an overview of the main technological innovations having a disruptive effect on the maritime industry, as well as to discuss principal ideas, methods of operation and applications, and future developments. The material in this unique volume provides requisite core knowledge for undergraduate or postgraduate students, employing an analytical approach with numerous real-world examples and case studies.

This book provides a coherent and systematic view of the key concepts, principles, and techniques in maritime container transport and logistics chains including all the main segments: international maritime trade and logistics, freight logistics, container logistics, vessel logistics, port and terminal management, and sustainability issues in maritime transport. Container Logistics and Maritime Transport emphasizes analytical methods and current optimization models to tackle challenging issues in maritime transport and logistics. This book takes a holistic approach to cover all the main segments of the container shipping supply chains to achieve an efficient and effective logistics service across the entire global transport chain. Sustainability issues such as social concern and carbon emissions from shipping and ports are also discussed. Each maritime transport segment is addressed using an approach from qualitative/descriptive analytics to quantitative/prescriptive analytics. Cutting-edge optimization models are presented and explained to tackle various strategic, tactical, and operational planning problems. The book will help readers better understand operations management in global maritime container transport chain. It will also provide practical principles and effective techniques and tools for researchers to push forward the frontiers of knowledge and for practitioners to implement decision support systems. It will be directly relevant to academic courses related to maritime transport, maritime logistics, transport management, international shipping, port management, container shipping, container logistics, shipping supply chain, and international logistics.

Strategic leadership techniques are the cornerstone to positive growth and prosperity within businesses and organizations. Implementing new management strategies and practices helps to ensure managers are optimizing their resources and driving innovation. The Encyclopedia of Strategic Leadership and Management investigates emergent administrative techniques and business practices being utilized within corporate and educational settings. Highlighting empirical research and best practices within the field, this encyclopedia will be an authoritative reference source for students, researchers, faculty, librarians, managers, and leaders across various disciplines and cultures.

Viewing transportation through the lens of current social, economic, and policy aspects, this four-volume reference work explores the topic of transportation across multiple disciplines within the social sciences and related areas, including geography, public policy, business, and economics. The book’s articles, all written by experts in the field, seek to answer such questions as: What has been the legacy, not just economically but politically and socially as well, of President Eisenhower’s modern interstate highway system in America? With that system and the infrastructure that supports it now in a state of decline and decay, what’s the best path for the future at a time of enormous fiscal constraints? Should California politicians plunge ahead with plans for a high-speed rail that every expert says—despite the allure—will go largely unused and will never pay back the massive investment while at this very moment potholes go unfilled all across the state? What path is best for emerging countries to keep pace with dramatic economic growth for their part? What are the social and financial costs of gridlock in our cities?

Features: Approximately 675 signed articles authored by prominent scholars are arranged in A-to-Z fashion and conclude with Further Readings and cross references. A Chronology helps readers put individual events into historical context; a Reader’s Guide organizes entries by broad topical or thematic areas; a detailed index helps users quickly locate entries of most immediate interest; and a Resource Guide provides a list of journals, books, and associations and their websites. While articles were written to avoid jargon as much as possible, a Glossary provides quick definitions of technical terms. To ensure full, well-rounded coverage of the field, the General Editor with expertise in urban planning, public policy, and the environment worked alongside a Consulting Editor with a background in Civil Engineering. The index, Reader’s Guide, and cross references combine for thorough search-and-browse capabilities in the electronic edition. Available in both print and electronic formats, Encyclopedia of Transportation is an ideal reference for libraries and those who want to explore the issues that surround transportation in the United States and around the world.

Shipping flows – maritime ‘footprints’ – remain underexplored in the existing literature despite the crucial importance of freight transport for global trade and economic development. Additionally, decision-makers lack a comprehensive view on how shipping flows can be measured, analyzed, and mapped in order to support their policies and strategies. This interdisciplinary volume, drawing on an international cast-list of experts, explores a number of crucial issues in shipping data estimation, construction, collection, mining, analysis, visualization, and mapping. Advances in Shipping Data Analysis and Modeling delivers several key messages. First, that in a world of just-in-time delivery and rapid freight transit, it is important to bear in mind the long-term roots of current trends as well as foreseeable future developments because shipping patterns exhibit recurrent, if not cyclical and path-dependent, dynamics. Second, shipping flows are currently often understood at the micro-level of intra-urban logistics delivery and at the national level using commodity flow analyses, but this volume emphasizes the need to expand the scale of analysis by offering new evidence on the changing distribution of global and international shipping flows, based on actual data. Third, that this multidisciplinary approach to shipping flows...
can shed important light on crucial issues that go beyond shipping itself including climate change, urban development, technological change, commodity specialization, digital humanities, navigation patterns, international trade, and regional growth. Edited by experts in their field, this volume is of upmost importance to those who study industrial economics, shipping industries and economic and transport geography.

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. At the cutting edge in its assessment of the industry, Maritime Logistics covers the whole scope of maritime logistics and examines latest logistical developments within the port and shipping industry. With a range of new international contributors, this new edition has been thoroughly revised and updated. There are new chapters on port centric logistics, hinterland logistics and global supply chains, maritime transport and logistics as a trade facilitator, and future trends and developments. Written by a team of international experts with over fifty years’ experience in the field, Maritime Logistics provides a truly global perspective. The book covers everything that students of logistics, as well as those working within the industry, need to know about maritime logistics, including shipping lines, containers, tankers, dry bulk, port-centric logistics, and much more. The book includes contributions from leading practitioners and academics in the field. The new edition includes a variety of new contributors, including: A. Michael Knemeyer, Associate Professor of Logistics, Fisher College of Business, The Ohio State University; John P. Saldanha, Assistant Professor of Logistics, Fisher College of Business, The Ohio State University; Prof. Dr. Michele Acciaro, Assistant Professor of Maritime Logistics, THE KLU, Hamburg; Prof. Dr. Joern Meissner, Professor of Supply Chain Management & Pricing Strategy, THE KLU, Hamburg.

Whilst the maritime container business has been studied in depth, the impact on shippers and how shippers deal with the given challenges has not been fully examined. Container Logistics bridges this gap and looks at the maritime business from a customer’s perspective. The book examines the challenges, solutions and the latest developments in the container industry as well as the interaction between the different actors involved, such as freight forwarders, supply chain managers and shippers. Current hot topics from the supply chain and the maritime business perspective are included. From the supply chain perspective, Container Logistics covers areas such as the purchase of transportation services from ocean carriers and transport management, to effective and efficient logistics execution. From the maritime business perspective, the book covers topics such as intermodal freight optimisation and hinterland transportation, and terminal and port optimisation. With the inclusion of clear examples of best practice and bona fide case studies, as well as invaluable contributions from an international team of experts, Container Logistics is an essential guide for supply chain managers and shippers, as well as academics and industry professionals working in the maritime business. Online supporting resources include images from the book and chapter summaries.

The immense, global transportation and logistics sector is vital to businesses of all types. This carefully-researched book covers exciting trends in supply chain and logistics management, transportation, just in time delivery, warehousing, distribution, intermodal shipment systems, logistics services, purchasing and advanced technologies such as RFID. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources. This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 500 leading companies in all facets of the transportation and logistics industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled.

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