

Written by leading experts in the field, this book offers an introduction to recent developments in port and hinterland strategies, operations and related specializations. The book begins with a broad overview of port definitions, concepts and the role of ports in global supply chains, and an examination of strategic topics such as port management, governance, performance, hinterlands and the port-city relationship. The second part of the book examines operational aspects of maritime, port and land networks. A range of topics are explored, such as liner networks, finance and business models, port-industrial clusters, container terminals, intermodality/synchromodality, handling and warehousing. The final section of the book provides insights into key issues of port development and management, from security, sustainability, innovation strategies, transition management and labour issues.

Drawing on a variety of global case studies, theoretical insights are supplemented with real world and best practice examples, this book will be of interest to advanced undergraduates, postgraduates, scholars and professionals interested in maritime studies, transport studies, economics and geography.

CONTENTS

Introduction - Harry Geerlings, Bart Kuipers and Rob Zuidwijk

Part 1 - Ports and Networks: Strategies

Chapter 1: Port definition, concepts and the role of ports in supply chains; setting the scene
Michiel Nijdam and Martijn van der Horst

Chapter 2: Ports and global supply chains Rob Zuidwijk

Chapter 3: How ports create strategic value for their country Frans A.J. van den Bosch, Rick M.A. Hollen and Henk W. Volberda

Chapter 4: Port development company: Role and strategy Larissa van der Lugt

Chapter 5: Port management and institutional reform: 30 years of theory and practice
Hercules Haralambides

Chapter 6: The port-city interface Olav Merk

Chapter 7: Port performance Shmuel Yahalom and Changqian Guan

Chapter 8: Accessibility of ports and networks Francesco Corman and Rudy R. Negenborn

Chapter 9: Port hinterland relations: Lessons to be learned from a cost-benefit analysis of a large investment project Christa Sys and Thierry Vanelslander

Chapter 10: Coordination in hinterland chains Martijn van der Horst and Peter de Langen

Part 2 - Ports and Networks: Operations

Chapter 11: Optimisation in container liner shipping Judith Mulder and Rommert Dekker

Chapter 12: Revenues and costs of maritime shipping Albert Veenstra

Chapter 13: Container terminal operations: An overview Iris F.A. Vis, Hector J. Carlo and Kees Jan Roodbergen

Chapter 14: Port-centric information management in smart ports: A framework & categorisation Leonard Heilig and Stefan Voss

Chapter 15: Intermodality and synchronomodality Lorant Tavasszy, Behzad Behdani and Rob

Konings Chapter 16: The industrial seaport Bart Kuipers

Part 3 – Ports and Networks: Perspectives

Chapter 17: Port competition in historical perspective, 1648-2000: The ports in the le Havre-Hamburg Range Hein A.M. Klemann

Chapter 18: Sustainability Harry Geerlings and TiedoVellinga

Chapter 19: Port security Changqian Guan and Shmuel Yahalom

Chapter 20: Technological innovations Harry Geerlings and Bart Wiegmans

Chapter 21: The labour market of port-cities Jaap de Koning, Kees Zandvliet and Arie Gelderblom

Chapter 22: Ports in transition Derk Loorbach and Harry Geerlings

Authors Biography

Harry Geerlings

Is Professor in Governance of Sustainable Mobility at the School of Public Administration and Sociology of the Erasmus University Rotterdam, The Netherlands.

Bart Kuipers

Is Senior Researcher at the Erasmus School of Economics at the Urban, Port and Transport Economics Department of the Erasmus University Rotterdam, The Netherlands.

Rob Zuidwijk

Professor of Ports in Global Networks at Rotterdam School of Management (RSM), Erasmus University Rotterdam, The Netherlands.
