

# Theo Notteboom, Athanasios Pallis and Jean-Paul Rodrigue (Edit by)

### **Description**

Port Economics, Management and Policy is a project that aims at providing information about the contemporary port industry, shipping and logistics to a wide readership, analysing how ports are organized to serve the global economy and support regional and local development needs.

The book uses a conceptual background supported by extensive fieldwork and empirical observations, such as analyzing flows, ports, and the strategies and policies articulating their dynamics.

Structured in eight sections plus an introduction and epilog, this textbook examines a wide range of seaport topics, covering maritime shipping and international trade, port terminals, port governance, port competition, port policy and much more.

Key features comprehensively investigated in the book - also with graphic elements, maps, figures, photos and tables - include:

- Multidisciplinary perspective on the port industry relying on economics, geography, management science, and engineering;
- Focus on the latest industry trends, such as supply chain management, automation, digitalization and sustainability;
- Multisector analysis including containers, bulk, break-bulk, and the cruise industry.

The publication provides students and scholars with a valuable resource on ports and maritime transport systems and support practitioners and policymakers with an essential guide towards better port management and governance.

### Table of contents

**INTRODUCTION: A Multifaceted Approach to Seaports** 



- i.1 Defining Seaports
- i.2 Seaports: Economic Value
- i.3 Seaports: Social and Environmental Value
- i.4 Emerging Issues in Ports and Maritime Shipping

### I. PORTS & MARITIME SHIPPING

- Chapter 1.1 Maritime Shipping and International Trade
- Chapter 1.2 Ports and Maritime Supply Chains
- Chapter 1.3 Ports and Container Shipping
- Chapter 1.4 Ports and Distribution Networks
- Chapter 1.5 Ports and Cruise Shipping
- Chapter 1.6 Interoceanic Passages

#### II. CONTEMPORARY PORTS

- Chapter 2.1 The Changing Geography of Seaports
- Chapter 2.2 Port Hinterlands, Regionalization and Corridors
- Chapter 2.3 Inland Ports / Dry Ports
- Chapter 2.4 Digital Transformation
- Chapter 2.5 Green Supply Chain Management in Ports

#### III. PORT TERMINALS

- Chapter 3.1 Terminals and Terminal Operators
- Chapter 3.2 Terminal Concessions and Land Leases
- Chapter 3.3 Financialization and Terminal Funding
- Chapter 3.4 Container Terminal Design and Equipment
- Chapter 3.5 Bulk and Breakbulk Terminal Design and Equipment
- Chapter 3.6 Cruise Terminal Design and Equipment
- Chapter 3.7 Dock Labor
- Chapter 3.8 Terminal Automation
- Chapter 3.9 Port Terminal Construction

### IV. PORT GOVERNANCE



Chapter 4.1 Port Governance and Reform

Chapter 4.2 Port Authorities

Chapter 4.3 Port Coordination and Cooperation

Chapter 4.4 Port Clusters

Chapter 4.5 Green Port Governance

Chapter 4.6 Port Management, Governance and Leadership

# V. PORT COMPETITION

Chapter 5.1 Inter-Port Competition

Chapter 5.2 Intra-Port Competition

Chapter 5.3 Port Marketing

Chapter 5.4 Port Pricing

Chapter 5.5 Entry Barriers

### VI. PORT PERFORMANCE

Chapter 6.1 Performance

Chapter 6.2 Efficiency

Chapter 6.3 Effectiveness

Chapter 6.4 Resilience

# VII. PORT POLICIES & DEVELOPMENT

Chapter 7.1 Ports, Policies and Politics

Chapter 7.2 Ports and Economic Development

Chapter 7.3 Port Planning and Development

Chapter 7.4 Port-City Relationships

Chapter 7.5 Representing Port Interests

### **VIII. PORT MARKETS**

Chapter 8.1 Cruise Ports

Chapter 8.2 Break-Bulk

Chapter 8.3 Energy

Chapter 8.4 Containers



# Chapter 8.5 Port Cold Chains

### IX. CASE STUDIES

Optimal Ship Size: Container Ships and Cruise Vessels Competition between the Ports of Los Angeles and Long Beach Ports and the COVID-19 Pandemic The Port of Savannah Logistics Cluster Nike European Logistics Campus in Belgium The Nicaragua Canal Project

# **Authors' Biographies**

## Theo Notteboom

Theo Notteboom is Professor of maritime and port economics. He is Chair Professor 'North Sea Port' at the Maritime Institute, Faculty of Law and Criminology, Ghent University; Professor at Department of Transport and Regional Economics, Faculty of Business and Economics, University of Antwerp; and Professor at Faculty of Sciences, Antwerp Maritime Academy. He is co-founder and co-director of Porteconomics.eu. He is a member of the Risk and Resilience Committee of International Association of Ports & Harbors (IAPH) where he co-authors the World Ports Tracker. He is vice-president (2022-) and past President (2010-2014) of International Association of Maritime Economists (IAME). He is Associate Editor of Maritime Economics & Logistics, Editor of Journal of Shipping and Trade and a member of the editorial boards of eight other leading academic journals in the field. Furthermore, he held the MPA visiting professorship in port management at Nanyang Technological University (NTU) in Singapore, and is visiting professor at various universities in Europe and Asia.

#### Athanasios Pallis

Athanasios (Thanos) Pallis is Professor in Port & Shipping Economics and Policy at the Department of Maritime Studies, University of Piraeus, Greece.

He is a co-director of PortEconomics, and the Vice-Chair of the Port Performance Research



Network (PPRN), He has co-authored the books European Port Policy: Towards a long-term strategy (published in English, Japanese, and Greek), Common EU Maritime Transport Policy (published in English and Greek), and Maritime Transport: The Greek Paradigm (published in English).

Thanos is a member of the International Association of Ports & Harbours (IAPH) Risk and Resilience Committee, for which he co-authors the World Ports Tracker together with Theo Notteboom. He was the chief consultant of the UN program on "COVID-19 Implication on Transport/Connectivity and Trade".

# Jean-Paul Rodrigue

Jean-Paul Rodrigue is Professor at Hofstra University, New York. His research interests mainly cover the fields of transportation and economics as they relate to logistics and global freight distribution. Specific topics over which he has published extensively cover maritime transport systems and logistics, global supply chains, gateways, and transport corridors. He is a board member of the University Transportation Research Center, Region II of the City University of New York, and is a lead member of the PortEconomics.eu initiative as well as of the International Association of Maritime Economists. Dr. Rodrigue was a member of the World Economic Forum Global Agenda Council on the Future of Manufacturing (2011-2016). In 2013, the US Secretary of Transportation appointed Dr. Rodrigue to sit on the Advisory Board of the US Merchant Marine Academy, a position he held until 2018. He is also the New York team leader for the MetroFreight project about city logistics. In 2019, he was the recipient of the Edward L. Ullman Award for outstanding contribution to the field of transport geography by the American Association of Geographers.

#### **Book information**

Edited By Theo Notteboom, Athanasios Pallis and Jean-Paul Rodrigue Port Economics, Management and Policy

New York: Routledge, 2022 690 pages, 218 illustrations ISBN: 9780367331559

DOI: doi.org/10.4324/9780429318184



The Open Access version of this book, available at: https://porteconomicsmanagement.org/