

The Influence of SCM Practices on Port Supply Chain Performance: Moroccan Case Study

Doha Talkhokhet

Professor of Economics

Research Laboratory in Theoretical and Applied Economics, Faculty of Economics and Management
of Settat, Morocco

Doha.Talkhokhet@uhp.ac.ma

Mohamed-Iliasse Mahraz

PhD in supply chain

AMIPS Team, Mohammadia School of Engineering,
Mohammed V University in Rabat, Morocco

m.mahraz@hotmail.fr

Rachida El Yamani and Mohamed Moutmihi

Professor of Economics

Research Laboratory in Economics and Logistics Performance, Faculty of Law, Economics and
Social sciences of Mohammedia, Hassan II University of Casablanca

rachida.elyamani@univh2c.ma, Mohamed.moutmihi@univh2c.ma

Abstract

The increasing complexity of international supply chains, the rise of consumer power and technological development have all brought about a clear change in the position and role of supply chain members. The port as a key factor in these international supply chains has been largely influenced by certain movements, including increased cooperation, mergers and integrations. In this context, the Supply Chain Management organization appears to be an essential lever to improve the performance of ports. However, despite the increasing attention given to the study of port logistics chains, the contributions remain modest compared to those observed in other sectors, notably the automotive and aeronautical industries. Most of the research on performance measures of port logistics chains actually focuses on measures of the internal performance of a terminal port.

Indeed, the lack of consensus on the definition of Supply Chain Management (SCM) and the complexity of the relationships between supply chain agents in general and the port supply chain in particular make it difficult to study the performance of the port supply chain.

The objective of this paper is to contribute to the study of the influence of the SCM organization on the performance of the port supply chain and on the elements of a tool for measuring the performance of port networks. This paper approaches port supply chain performance from a multidimensional view, integrating a financial dimension, a commercial dimension, an internal process, and learning and innovation. This article also has the advantage of integrating the perspectives of the different stakeholders.

Keywords

Port, Supply Chain, Performance, Collaboration, Indicator and Optimization

Biographies

Douha TALKHOKHET currently is a teacher-researcher at Hassan I university of Settat, Faculty of economy and Mohammedia, Morocco, Research Laboratory in Economic Performance and Logistics.

Mohamed-Iliasse MAHRAZ holds an MS degree in Supply chain management, from LORRAINE University in Metz, France. He is a Ph.D. student at Department of industrial engineering with Research Team in analysis, modelization and integration of processes and systems at Ecole Mohammadia d'Ingénieurs (EMI), Mohamed V University, Morocco. He is interested in ERP systems. His work is focused, more specifically, on examining a Critical Success Factors for ERP implementation in Moroccan organizations.

Rachida EL YAMANI currently is a teacher-researcher at Hassan II university of Casablanca, Faculty of Legal, Economic and Social Sciences of Mohammedia, Morocco, Research Laboratory in Economic Performance and Logistics. Rachida works at the Department of Economics. She does research in logistics and Econometrics. Her most recent publications are about “Logistics outsourcing and logistics performance using structural equation modeling” and Econometrics. Skills and Expertise: Logistics outsourcing; Logistics performance; Supply chain management; Applied Economics; Economy; Finance.

Mohamed MOUTMIHI currently is a teacher-researcher at Hassan II university of Casablanca, Faculty of Legal, Economic and Social Sciences of Mohammedia, Morocco, Research Laboratory in Economic Performance and Logistics. Mohamed works at the Department of Economics. He does research in logistics and supply chain management. His most recent publication is about “Logistics outsourcing and logistics performance” and “international transport”. Skills and Expertise: Logistics outsourcing; Logistics performance; Supply chain management; International transport; Port performance.