Contents

Preface ............................................................................................................................. V

Is There a Right Research Design for Your Supply Chain Study? ....................... 1
Stefan Seuring, Martin Müller, Gerald Reiner, Herbert Kotzab

Part 1 – Substantive Justification for Theory Building

A Balanced Approach to Research in Supply Chain Management ...................... 15
Susan L. Golicic, Donna F. Davis, Teresa M. McCarthy

A Critical Discussion on the Theoretical and Methodological Advancements in
Supply Chain Integration Research ........................................................................... 31
Dirk Pieter van Donk, Taco van der Vaart

Measuring Supply Chain Integration – Using the Q-Sort Technique ................... 47
Sakun Boon-itt, Himangshu Paul

Supply Chain Management and the Challenge of Organizational Complexity –
Methodological Considerations ................................................................................. 59
Stig Johannessen

The Configurational Approach in Supply Chain Management ........................ 75
Axel Neher

Conducting a Literature Review – The Example of Sustainability in
Supply Chains .............................................................................................................. 91
Stefan Seuring, Martin Müller, Magnus Westhaus, Romy Morana

Research Methodologies in Supply Chain Management – What Do We Know? 107
Árni Halldórsson, Jan Stentoft Arlbjörn
Part 2 – Surveys in Supply Chain Management

The Role and Importance of Survey Research in the Field of Supply Chain Management......................................................... 125
Herbert Kotzab

Web-based Surveys in Logistics Research: An Empirical Application........ 139
David B. Grant, Christoph Teller, Wolfgang Teller

SCM Research Methodologies: Employing Structural Equation Modeling ...... 155
Cristina Gimenez, Rudolf Large, Eva Ventura

Structural Equation Modeling as a Basis for Theory Development within Logistics and Supply Chain Management Research........................................ 171
Carl Marcus Wallenburg, Jürgen Weber

Customers’ Perceptions of Service Quality by TPL Service Providers in the United Kingdom – A Confirmatory Factor Analysis........................................ 187
Harlina Suzana Jaafar, Mohammed Rafiq

Third Party Logistics in Thailand – From the Users’ Perspective .................. 203
Pornpen Setthakaset, Chuda Basnet

A Market-Oriented View of SCM – Researching Criteria and Instruments in the Public Procurement Process.............................................................. 219
Edeltraud Günther, Ines Klauke
Part 3 – Case Study Research in Supply Chains

Case Study Research in Supply Chains – An Outline and Three Examples ...... 235
Stefan Seuring

A Proposal for Case Study Methodology in Supply Chain Integration Research ................................................................. 251
Teresa M. McCarthy, Susan L. Golicic

Using Case Study Methods in Researching Supply Chains ......................... 267
Marie Koulikoff-Souvion, Alan Harrison

Multilevel Issues in Supply Chain Management ........................................ 283
Marian Oosterhuis, Eric Molleman, Taco van der Vaart

Cost Management along the Supply Chain – Methodological Implications ...... 299
Richard Chivaka

Case Studies and Surveys in Supply Chain Management Research –
Two Complementary Methodologies ........................................................ 315
Cristina Gimenez

Towards Triangulation – Blending Techniques in Supply Chain Management Context .............................................................. 331
Ozlem Bak
Part 4 – Action Research in Supply Chains

Action Research in Supply Chain Management – An Introduction .................. 349
*Martin Müller*

The Application of Action Learning and Action Research in Collaborative Improvement within the Extended Manufacturing Enterprise ....................... 365
*Rick Middel, Louis Brennan, David Coghlan, Paul Coughlan*

Integrating Environmental and Social Standards into Supply Management – An Action Research Project .............................................................. 381
*Julia Koplin*

Supply Chain Diagnostics to Confront Theory and Practice – Re-Questioning the Core of Supply Chain Management ........................................... 397
*Günter Prockl*

A Logistics and Supply Chain Approach to Seaport Efficiency – An Inquiry Based on Action Research Methodology ......................................... 413
*Khalid Bichou, Richard Gray*

Part 5 – Modelling Supply Chains

Supply Chain Management Research Methodology Using Quantitative Models Based on Empirical Data ......................................................... 431
*Gerald Reiner*

*Andreas Größler, Nadine Schieritz*

Analysis of Supply Chain Dynamics through Object Oriented Simulation ........ 461
*Francesco Casella, Giovanni Miragliotta, Luigi Uglietti*

The Potential of Cooperative Game Theory for Supply Chain Management .... 477
*Jörn-Henrik Thun*
Modeling the Effect of Product Architecture Modularity in Supply Chains...... 493
Juliana H. Mikkola

Heuristics in the Multi-Location Inventory System with Transshipments......... 509
Lars Magne Nønås, Kurt Jörnsten

Contract Typology as a Research Method in Supply Chain Management....... 525
Alejandra Gomez-Padilla, Jeanne Davallet, Daniel Llerena

Load Dependent Lead Times – From Empirical Evidence to
Mathematical Modeling................................................................. 539
Julia Pahl, Stefan Voß, David L. Woodruff

Recovery Network Design for End-of-Life Vehicles ............................. 555
Heinz Ahn, Jens Keilen, Rainer Souren

Modeling and Integrated Assessment of Mass and Energy Flows within
Supply Chains.................................................................................. 571
Jutta Geldermann, Martin Treitz, Hannes Schollenberger, Otto Rentz

Socrates Thematic Network to Enhance European Teaching and Research of
Operations as well as Supply Chain Management................................ 587
José A. D. Machuca, Rafaela Alfalla Luque, Macarena Sacristán Díaz,
Gerald Reiner

Editors............................................................................................ 593
Authors......................................................................................... 595
Research Methodologies in Supply Chain Management
Kotzab, H.; Seuring, S.; Müller, M.; Reiner, G. (Eds.)
2005, XI, 619 p. 71 illus., Softcover
ISBN: 978-3-7908-1583-2
A product of Physica-Verlag Heidelberg