

1. Record Nr.	UNINA9910463899603321
Titolo	Sustainable logistics // edited by Cathy Macharis [and three others] ; contributors, Patricia Baptista [and twenty-eight others]
Pubbl/distr/stampa	Bingley, [England] : , : Emerald, , 2014 ©2014
ISBN	1-78441-061-6
Descrizione fisica	1 online resource (365 p.)
Collana	Transport and Sustainability, , 2044-9941 ; ; Volume 6
Disciplina	658.70286
Soggetti	Business logistics - Environmental aspects Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Sustainable Logistics; Copyright page; Contents; List of Contributors; Transport and Sustainability Editorial Board; The 4 A's of Sustainable Logistics; Sustainable Logistics; How to Foster Sustainable Logistics?; Possible Measures; Awareness; Avoidance; Acting and Shifting; Anticipation; Conclusions; References; Chapter 1 Options for Competitive and Sustainable Logistics; Introduction; The Challenge; Levers for Reducing CO2 Emissions of the Logistics Sector; Options for Reducing CO2 Emissions in Logistics; Technical Options; Operational Options; Logistical Options The Total Potential Sustainability versus Cost Reduction; The Value of Sustainable Logistics; The Value of Objective and Reliable Information; Policy Instruments for Improving Sustainability of the Logistics Sector; Carbon Footprinting; Pilots and Demonstration Projects; Standardized Testing and Evaluation Procedures for (Impacts of New Technologies on) Vehicle CO2 Emissions; CO2 Legislation for Vehicles; Internalising External Costs by Means of Taxation; A CO2-Tax on Fuels; A Cap & Trade System for CO2 Emissions from the Transport Sector Incorporating (Parts of the) Transport Sector in a Wider Cap & Trade System Transition Process; Conclusions; Notes; References; Chapter 2 Mitigating the Negative Environmental Impacts of Long Haul Freight Transport; Introduction; The Importance of the Freight Transport

Sector; The Possibilities for Improvement; Modal Split; Environmental Credentials; Use of Modes; Major EU Mode Shift Programmes; Developments in Rail-Freight Transport; Barriers to Rail Use; Efficiency of Vehicle Usage; Improving Vehicle Utilisation Through; Efficiency of Vehicle Routing; Routing and Scheduling; Backloads
Use of ICT (Information and Computer Technology) Supply Chain Structure; Manufacturing Location; Warehouse/Depot Location; Load Consolidation/Deconsolidation; Logistics Industry Structure. Is Bigger Greener?; Technology; Vehicle Technology; Trucks; Trains; Ships and Barges; Alternative Fuels; Biofuels (Including Biodiesel and Bioethanol); Hydrogen; Gas Filled Vehicles Natural Gas (NG), Compressed NG (CNG) and Liquid Petroleum Gas (LPG); DME or Dimethyl Ether; Electricity; The Use of Alternative Energy in Logistics; Human/Management Issues; Driver Training; Environmental Reporting
Management Issues Specific Issues; Reverse Logistics; E-commerce and Logistics; Interfaces; EU/Government Policies; Summary and Conclusions; Notes; Acknowledgements; References; Chapter 3 Comparison of Vehicle Miles Traveled and Pollution from Three Goods Movement Strategies; Introduction; Literature Review; Reductions in Externalities with Delivery Systems; Warehouse Locations; Methods; Scenarios; Network Data Set; Emissions Factors; Depot Locations; Household Data; Vehicle Travel; Assumptions; Results; Conclusions; References; Chapter 4 The Shades of Green in Retail Chains' Logistics Introduction - Green Retail Chains

Sommario/riassunto

This book will bring a state of the art overview of the research done in sustainable logistics. It will be structured along the four A's of sustainable logistics: awareness, avoidance, acting and shifting goods, and anticipation of new technologies.
