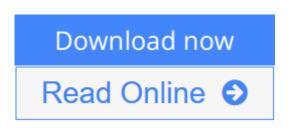# Green Logistics: Improving the Environmental Sustainability of Logistics

From McKinnon Alan

Green Logistics: Improving the Environmental Sustainability of Logistics
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As concern for the environment rises, companies are taking more account of the external costs of logistics-specifically those costs associated with climate change, air pollution, noise, vibration, and accidents. With contributions written by leading international logistics academics, *Green Logistics* examines ways of reducing these factors and achieving a more sustainable balance between economic, environmental, and social objectives.

This new edition introduces a new co-editor and contributors, as well as international case studies, for a more global perspective. For the first time, the book will include downloadable supporting materials, technical information, and guidelines for teachers/lecturers. The editors have added new material on e-business, e-logistics, and the environment along with new chapters on green performance and environmental reporting, nature-inspired network design for distributed logistics, green logistics developments in different parts of the world (including North America, Latin America, South East Asia) and future scenarios for green logistics.

Other key topics examined in the book include: carbon auditing of supply chains; reducing the environmental impact of warehousing; improving the energy efficiency of freight transport; making city logistics more environmentally sustainable; reverse logistics for the management of waste; the role of government in promoting sustainable logistics.

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Editorial Review

Review
"[R]emains a seminally important contribution to academic library Environmental Studies reference collections and supplemental reading lists. …Touching upon such seminal issues as carbon auditing of supply chains, transferring freight to greener transport modes, reducing the environmental impact of warehousing, improving fuel efficiency in freight transport, making city logistics more environmentally sustainable, reverse logistics for the management of waste, and the role of government in promoting sustainable logistics, *Green Logistics* should be considered mandatory reading by anyone with governmental authorities, corporate managers having a responsibility for these issues, as well as environmental activists concerned with the impact of new technologies and public policies upon the environmental health of their communities and the world at large."

(Library Bookwatch: Environmental Shelf *Midwest Book Review*)

"By its nature, cargo transport almost universally has a negative impact on the environment, and contributes to problems including climate change, air and noise pollution, and traffic accidents. This book provides insight into these types of environmental impacts, and what steps companies can take to negate, lessen, or avoid them."
(Jason McDowell *Inbound Logistics*)

"This third edition illustrates how much new research has been undertaken into the subject since the book was first published in 2010. The issues are topical and important to company managers and world public policy makers and it aims to provide a broad overview of the technical, managerial, economic and policy aspects of green logistics."
(*Supply Management*)

"Seventeen papers analyze the environmental consequences of logistics and how to deal with them effectively, by... achieving a more sustainable balance between economic, environmental, and social objectives."
(*Journal of Economic Literature*)

"[A] fine recommendation for college-level business collections strong in product coordination and movement, from supply chains to delivery. ...Any college-level business collection needs this survey."
(California Bookwatch, The Business Shelf *Midwest Book Review*)

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