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Nota di contenuto	Contents; List of Figures; List of Tables; Chapter 1: Introduction; 1.1 Motivation; 1.2 Purpose of the work; 1.3 Structure of the work; Chapter 2: Supply chains and their impact on the environment; 2.1 Supply chain management; 2.2 Sustainability of supply chains; 2.3 Concepts of green supply chain management; 2.4 Carbon emissions resulting from supply chain activities; 2.5 Environmental regulations impacting supply chain decisions; 2.5.1 Overview of environmental regulations; 2.5.2 Emission taxes; 2.5.3 Emission trading Chapter 3: Integrating the environmental dimension into supply chain decisions 3.1 Network design decisions; 3.2 Inventory (ordering) decisions; 3.3 Production mix and production planning decisions; 3.4 Transport mode and transport planning decisions; 3.5 Summary of existing models and relation to this work; Chapter 4: The economic and environmental performance of dual sourcing; 4.1 Inventory management and the news vendor model; 4.2 Sourcing decisions; 4.2.1 Overview of sourcing concepts; 4.2.2 Focus on dual sourcing; 4.3 Transport-focused dual sourcing framework 4.4 Single-period dual sourcing model4.4.1 Basic dual sourcing model; 4.4.2 Dual sourcing with transport emission limit; 4.4.3 Dual sourcing model with linear transport emission tax; 4.4.4 Dual sourcing model with emission trading for transport; 4.5 Numerical analyses; 4.5.1 Basic dual sourcing model; 4.5.2 Dual sourcing model with transport

emission limit; 4.5.3 Dual sourcing model with linear transport
emission tax; 4.5.4 Dual sourcing model with emission trading for
transport; 4.6 Comparison of the models and implications for
management and policy-making

Chapter 5: Conclusions, limitations and further research opportunities

Bibliography
