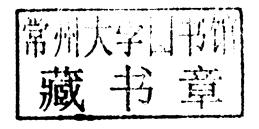
Freight Transport and the Modern Economy

Michel Savy and June Burnham



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# Freight Transport and the Modern Economy

Freight Transport and the Modern Economy adapts a well-known textbook by Michel Savy, revising, extending and updating it for British, European and international readers. It deals not only with the technical aspects of transport, logistics and supply chain management, but also the interactions between transport professionals and the public authorities in the modern social, political, economic and environmental context.

The transport of freight is presented as a system, mixing empirics and theory, showing how transport itself functions and also its strong influence on the modern economy, with a growing volume of production, turnover and employment. The nature of freight transport, an industrial process widely marketed as a service, is analysed in depth, explaining the main characteristics of the transport operation, its market and the regulatory context. The main actors, the professional actors (carriers, shippers and other agents) and the public authorities are introduced, and their behaviour and interactions are clarified. This comprehensive approach allows the reader to go further and consider in particular the approaches and practices of transport by carriers, customers, logistics managers, political decision-makers and citizens, to tackle long-range issues such as the 'decoupling' of production and transport recommended by some institutions and experts, and to explore the need for more infrastructure, or the capacity of the freight transport industry to reduce its contribution to pollution and climate change.

This book treats freight transport as a whole system in its technical, economic, social, political and environmental context, in contrast to existing transport literature focused on individual aspects, such as transportation planning (usually for cars or passengers), logistics (essentially management issues) or individual transport modes. This book is comprehensive in its treatment of freight transport and in its use of multiple disciplinary perspectives.

Michel Savy is Professor of Transport and Logistics at the University of Paris Est Créteil and the École Nationale des Ponts ParisTech. He is Director of the Observatory of Transport Policies and Strategies in Europe (Paris) and Co-Director of the Sino-French Centre for Urban and Regional Planning Studies (Nanjing and Paris). He has published over 150 books, articles and papers, and is a member of the editorial board of *Transport Reviews*.

June Burnham is a researcher and consultant at June Burnham & Associates, and was formerly Senior Lecturer in European Government at Middlesex University and a research officer at the London School of Economics. She has published books and articles on transport policy, transport in London and public management.

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#### **Abbreviations**

ASHE Annual Survey of Hours and Earnings ASLOG Association française pour la logistique

BA British Airways

CCFA Comité des constructeurs français d'automobiles CER Community of European Railway and Infrastructure

Companies

CERTU Centre d'études sur les réseaux, les transports, l'urbanisme

et les constructions publiques

CfIT Commission for Integrated Transport

CFS Commodity Flow Survey

CNT Conseil National des Transports
CPA Classification of Products by Activity
CPC Certificate of Professional Competence

CPT carriage paid to the place named

CSCMP Council of Supply Chain Management Professionals

CSRGT Continuous Survey of Road Goods Transport

DB Deutsche Bahn

DfT Department for Transport

EAE enquête annuelle d'entreprises de transport ECMT European Conference of Ministers of Transport

EU European Union

FNTR Fédération Nationale des Transports Routiers

FTE full time equivalent FTL full truck load

GDP Gross Domestic Product HGV Heavy Goods Vehicles

ICAO International Civil Aviation Organization ICC International Chamber of Commerce

ICT information and communications technologies

IFSTTAR Institut français des sciences et technologies des transports,

de l'aménagement et des réseaux

IMO International Maritime Organization
Incoterms International Commercial Terms

INSEE Institut National des Statistiques et Etudes Economiques

ISO International Organization for Standardization

ITF International Transport Forum
ITU Intermodal Transport Units
LGV Light Goods Vehicles

NACE Nomenclature générale des activités économiques dans les

communautés européennes (Statistical Classification of

Economic Activities)

NATA New Approach to Transport Appraisal NATO North Atlantic Treaty Organisation NST nomenclature for statistics on transport

NST/R nomenclature for statistics on transport, revised

OECD Organisation for Economic Cooperation and Development

ONS Office for National Statistics
PPP public-private partnership
RFF Réseau Ferré de France

SCTG Standard Classification of Transported Goods

SEA Single European Act

SESP Service économie, statistique et prospective

SITRAM Système d'information sur le transport de marchandises

SME small- and medium-sized enterprises
SNCF Société Nationale des Chemins de Fer
SOeS Service d'Observation et de Statistique

TEN Trans-European Network

TEN-T Trans-European Transport Network
TERFN Trans-European Rail Freight Network

TEU Twenty Foot Equivalent Units

TGV Train à grande vitesse (very high speed train)
TRM Enquête transport routier de marchandises

UIRR International Union of Combined Rail–Road Transport

Companies

UK United Kingdom UN United Nations

UN/ECE UN's Economic Commission for Europe

URF Union routière de France USA United States of America

VAT value added tax

WTO World Trade Organization

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We thank our colleagues Dalila Zegagh and Christophe Deblanc for their contributions to the material on the European Common Transport Policy in Chapter 5, Caroline Daude for her co-authored work on scenarios for road haulage and greenhouse gases reported in Chapter 6 and Philippe Duong, co-author of the five scenarios for freight and logistics analysed in the same chapter.

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Michel Savy June Burnham

Le transport d'un pays à un autre très éloigné est une espèce de manufacture; il ajoute à la matière première, il ajoute le nolis et ce nolis emploie et fait vivre bien du monde.

Transport from one region to another much further away is a type of manufacturing: it adds to the raw materials, it adds the freight process and this freight process employs and provides a living for a good number of people.

Abbé Galiani, *Dialogue sur le commerce des blés*, revised by Grimm and Diderot, London, 1770.

In estimating the exchangeable value of stockings, for example, we shall find that their value, comparatively with other things, depends on the total quantity of labour necessary to manufacture them, and bring them to market.

David Ricardo, On the Principles of Political Economy and Taxation, London, 1817.

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