

Contents

Preface	v
1 National Transport Models: Introduction and Comparative Analysis	1
Lars Lundqvist and Lars-Göran Mattsson	
 Part I THE MODEL DEVELOPMENT CONTEXT	
2 An Overview of European National Models	19
Hugh Gunn	
3 Updating and Extending National Models	35
Andrew Daly	
4 National Models: How to Make It Happen. The Case of the Swedish National Model System: SAMPERS	50
Staffan Widlert	
5 General Modelling Approaches: Top-down or Bottom-up?	57
Tom E. Worsley and Russell C.E. Harris	
6 Deterministic Time Table Transit Assignment	61
Isabelle Constantin, Michael Florian and Heinz Spiess	
 Part II NATIONAL TRANSPORT MODELS	
7 Application Areas for the Dutch National Model	81
Frank Hofman	

8	The New Swedish National Model – SAMPERS: System and Validation	93
	Gunnar Johansson Sveder	
9	SAMPERS – The New Swedish National Travel Demand Forecasting Tool	101
	Muriel Beser and Staffan Algers	
10	Italian Models: Application and Planned Development	119
	Francesco Russo	
11	PETRA – An Activity-based Approach to Travel Demand Analysis	134
	Mogens Fosgerau	
12	GB Traffic Forecasts – Status and Development	146
	Tom E. Worsley and Russell C.E. Harris	

Part III EUROPEAN TRANSPORT MODELS

13	Designing the STREAMS Model of Europe	159
	Ian Williams	
14	Tests of Nonlinearity, Modal Captivity and Spatial Competition within the STEMM Multicountry Application for Passengers	170
	Marc Gaudry	
	List of Figures	189
	List of Tables	191
	Author Index	193
	Subject Index	195
	Contributors	201

National Transport Models
Recent Developments and Prospects
Lundqvist, L.; Mattsson, L.-G. (Eds.)
2002, VIII, 204 p., Hardcover
ISBN: 978-3-540-42426-0