
Contents

Part I Introduction and Approach

1 Introduction 3
Stephan Helmreich and Hartmut Keller

Part II Methods

2 Foresight Process 17
Stephan Helmreich, Doris Wilhelmer, Klaus Kubeczko,
Julia Düh, and Helena Kyster-Hansen

**3 Developing a Model for Long-Distance Freight Emissions
and Energy Consumption 33**
Tuomas Mattila and Riina Antikainen

4 Trans-Tools 43
Christian O. Hansen and Jeppe Rich

Part III Analysis

5 External Factors 65
Olaf Meyer-Rühle

6 Forecasts 109
Jürgen Schmiele, Tuomas Mattila, Riina Antikainen,
Christian O. Hansen, Jeppe Rich, and Ulrich Glöckl

7 Vision 127
David Bonilla and Nihan Akyelken

8 Scenario 135
Stephan Helmreich, Tuomas Mattila, Riina Antikainen,
and Christian O. Hansen

Part IV Recommendation

9 Policy Actions	161
Stephan Helmreich, Martin Volny, and Carine Vellay	
10 Action Plan and Conclusions	263
Stephan Helmreich	
Appendix A Abbreviations	281
Appendix B List of Stakeholders	287
Appendix C Agenda of the Forum Meetings	291
Appendix D Results of Discussions on Key Drivers	297
Appendix E Storylines	305
Appendix F Vision Painting	313
Appendix G Portfolios	315
Appendix H Wild Cards/Paradox/Positive	335
Appendix I Pre-Forum Meetings	339
Appendix J Model for Calculating Long-Distance Freight Emissions and Energy Consumption – Forecast Parameter 2005–2050	345
References	361
Index	363

FREIGHTVISION - Sustainable European Freight
Transport 2050

Forecast, Vision and Policy Recommendation

Helmreich, S.; Keller, H. (Eds.)

2011, XII, 365 p., Hardcover

ISBN: 978-3-642-13370-1