
Information on: [Department of Transport and Regional Economics \(TPR\)](#) / [Center for Maritime and Air Transport Management \(C-MAT\)](#)
[Research Centre Freight and Passenger Transport – Steunpunt Goederen- en Personenvervoer](#)

Dear Ms,
Dear Sir,



The [Department of Transport and Regional Economics](#) (TPR) of the University of Antwerp wishes you all a Merry Christmas and Happy 2016!



**THE DEPARTMENT OF TRANSPORT AND REGIONAL ECONOMICS
OF THE UNIVERSITY OF ANTWERP
WISHES YOU MERRY CHRISTMAS AND A HAPPY 2016**

TPR in last quarter 2015 had following **journal and book publications** issued by its members:

- VERLINDEN, Thomas, VAN DE VOORDE, Eddy, DEWULF, Wouter.- Ho.Re.Ca. : logistics and medieval structured cities : a market analysis and typology - [Commercial transport : proceedings of the 2nd Interdisciplinary Conference on Production Logistics and Traffic 2015](#) / CLAUSEN, Uwe [edit.]; et al., 2016, p. 369-384
- STEVENS, Laurence, SYS, Christa, VANELSLANDER, Thierry and Edwin VAN HASSEL (2015), '[Is new emission legislation stimulating the implementation of sustainable and energy-efficient maritime technologies?](#)', Research in Transportation Business & Management, Vol. 17, pp. 14-25
- VERHETSEL, Ann and Matteo BALLIAUW (2015), [Maritieme containerwereldsteden : evolutie van het globale management netwerk \(2006-2012\)](#), Tijdschrift vervoerswetenschap n°3, p. 43-61
- KUIPERS, Bart and Thierry VANELSLANDER (2015), '[Ketendenken in zeehavens](#)', Tijdschrift Vervoerswetenschap, n° 3, p. 4-14
- KUIPERS, Bart and Thierry VANELSLANDER (2015), '[De toegevoegde waarde van zeehavens](#)', Tijdschrift Vervoerswetenschap, n° 3, pp. 83-97
- GEVAERS, Roel, MAES, Jochen, VAN DE VOORDE, Eddy and Thierry VANELSLANDER (2015), Incumbents and New Entrants in European Rail Freight, in FINGER, Matthias and Pierre MESSULAM (eds.), [Rail Economics, Policy and Regulation in Europe](#), Cheltenham: Edward Elgar
- ARONIETIS, Raimonds, SYS, Christa and Thierry VANELSLANDER (2015), Maritime transport company strategies: How to be sustainable in the future, in FINGER, Matthias and Christian JAAG (eds.), [The Routledge Companion to Network Industries](#), Abingdon: Routledge
- DE MARTINO, Marcella (2015), [L'innovazione collaborativa nei porti: aspetti metodologici ed alcune evidenze empiriche](#), ECONOMIA E DIRITTO DEL TERZIARIO, N° 1, pp. 105-126, Franco Angeli
- DE MARTINO, Marcella, CARBONE, Valentina, MORVILLO,



Alfonso (2015), [Value creation in the port: opening the boundaries to the market](#), in Maritime Policy & Management 42(07), pp. 682-698

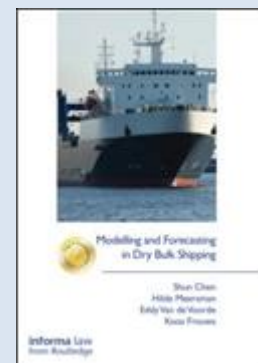
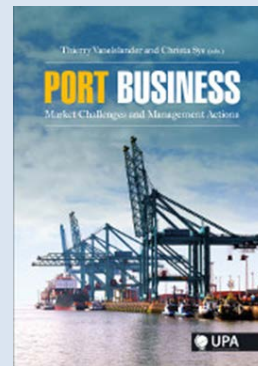
- BALLIAUW, Matteo, HERREMANS, Dorien, PALHAZI CUERVO, Daniel and Kenneth SÖRENSEN (2015), [A variable neighborhood search algorithm to generate piano fingerings for polyphonic sheet music](#), International Transactions in Operational Research

TPR also has following **books** on offer:

- Thierry Vanelslander and Christa Sys edited a book on '[Port Business: Market Challenges and Management Actions](#)'. This publication deals with the question how the previously formulated recommendations can concretely be implemented.
- Hilde Meersman, Eddy Van de Voorde, Thierry Vanelslander edited a book on [Port Infrastructure Finance](#). This book provides an expert analysis of alternative investments routes and the investment strategies available to the major port players.
- Shun Chen, Hilde Meersman, Eddy Van de Voorde and Koos Frouws had a book published on [Modelling and Forecasting in Dry Bulk Shipping](#). This book models price behaviour and forecasts prices in the dry bulk shipping market, a major component of the world shipping industry.
- Christa Sys had a book published on '[Laden en lossen in de Binnenvaart: onderhandeling, regelgeving of gebruik?](#)' This publication (in Dutch) deals with cost calculations of laytime on demurrage and the economics beyond regulation. The theoretical aspect is illustrated with numerous examples of adopted practice.

For other book publications from TPR, please visit the [book publication web page](#).

For other publications by TPR members, please check TPR's [academic bibliography](#). For an overview of the research projects currently going on at TPR, and for upcoming deliverables, please have a look at TPR's [research project pages](#).



Following **lectures and conference presentations** have recently been given by TPR members:

- On 14-18 December 2015: Wouter Dewulf lectured on Transport Management at Chongqing University, China
- On 15-19 December 2015: 'Relationship networks: Cross-fertilizing the knowledge on tourism destinations and seaports' competitiveness' by Department PhD fellow Marcella De Martino, together with Alfonso Morvillo, Mathilda van Niekerk and F. Okumus, at 3rd World Research Summit for Tourism and Hospitality, Orlando, Florida
- On 10 December 2015: 'Transport Policy Research Methodology' by Eddy Van de Voorde and Hilde Meersman at University of Lisbon Research Methodology course, Lisbon
- On 10 December 2015: 'Kwaliteitsvolle handelskernen' by Ann Verhetsel at Fietsberaad pakt uit: Argumenten voor een sterk fietsbeleid!, Ghent
- On 3 December 2015: 'The link between ship size and operations' by Christa Sys at Feport, Brussels - [view summary, short video and presentations](#)
- On 3 December 2015: 'Benchmarking US air cargo carriers: a productivity and cost competitiveness analysis' by Evy Onghena and Matteo Balliauw, and Eddy Van de Voorde actively contributed to the panel debate at the [TPR Air Transport Colloquium](#), Antwerp
- On 3-4 December 2015: 'The potential of LNG as a ship bunker fuel: a stated preference analysis' by Raimonds Aronietis, Christa Sys, Edwin van Hassel and Thierry Vanelslander at ATTSS 2015 Conference, Hong Kong
- On 1 December 2015: 'Trends in de maritieme en haven sector' and 'LNG als brandstof voor (binnen) schepen?' by Christa Sys at sector meeting BNP Paribas Fortis, Antwerp
- On 30 November 2015: 'Urban Vehicle Access Regulation' by Osvaldo Navarro at European Commission Urban Logistics project workshop, Brussels
- On 30 November 2015: 'How innovation enables to answer the



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main challenges of the port industry - Focus on intermodality' by Christa Sys at the (WP.24) Workshop on "Intermodality leads to sustainability" at Unece, Geneva – [view presentation](#)

- On 30 November 2015: 'Geography of Venture Capital: Flanders a Global or Peripheral Player?' by Katja Bringmann and Ann Verhetsel at STORE Workshop "Industrial Policy in Flanders", Leuven – [view presentation](#)
- On 27 November 2015: Franziska Kupfer and Christa Sys participated and TPR and C-MAT students actively contributed to the Antwerp Forum of POM Antwerpen, Antwerp
- On 27 November 2015: Ann Verhetsel was day chair at Werelddag van de Stedenbouw 2015 – It is the economy, darling, VRP, Brussels – view [brochure](#) and [pictures](#)
- On 26 November 2015: Thierry Vanelslander actively joined the panel debate at VEA Ledencongres, Antwerp – [view report](#)
- On 25 November 2015: 'Innovation in seaport ICT platforms: A combined qualitative and quantitative Analysis' by Valentin Carlan, Christa Sys and Thierry Vanelslander; 'Scenarios for intermodal rail freight transport and hinterland connections: From a swot analysis of the Belgian rail practice to scenario development' by Frank Troch, Thierry Vanelslander, Christa Sys, Tom Pauwels, Sabine Limbourg, Martine Mostert, Christine Tawfik, Sandra Belboom, Angel Merchan, Angélique Léonard, Vidar Stevens and Koen Verhoest; 'Towards improved port capacity investment decisions under uncertainty: A real options Approach', by Matteo Balliauw, Hilde Meersman, Eddy Van de Voorde and Thierry Vanelslander; 'Which are the key factors affecting the success of transport infrastructure projects? A qualitative comparative analysis' by Eleni Moschouli and Thierry Vanelslander; 'The importance of external costs for assessing the potential of trams and trains for urban freight distribution' by Katrien De Langhe; 'City logistics, urban goods distribution, and last-mile delivery & collect' by Thomas Verlinden, Wouter Dewulf and Eddy Van de Voorde; 'Cost competition in the inland waterway transport sector: Design and applications of a tool to calculate cost' by Osama Al Enezy, Edwin van Hassel, Christa Sys and Thierry Vanelslander at Doctoral Day Faculty of Applied



Economics University of Antwerp, Antwerp – [view pictures](#)

- On 23-28 November 2015: '*Economic Principles (Pricing & Cost) on Freight Transport Operations*' and '*Agents and Roles in the Freight Transport Market (market structure of the EU freight market)*' by Eddy Van de Voorde at TransportNET Freight Transport and Logistics course, Lisbon
- On 23 November 2015: '*Afstemmen van ruimte en mobiliteit*' by Ann Verhetsel at Expertenworkshop Ruimte en Mobiliteit, Brussels – [view report](#)
- On 19 November 2015: '*Co.innovation enables to answer the main challenges of the maritime supply chain*' by Christa Sys at Freight Forwarders Forum 2015 organised by Clecacat, Antwerp – [view presentations](#)
- On 17-18 November 2015: '*The relation between the demand for e-commerce and socio-economic structures in Belgium*' by Joris Beckers, Ivan Cardenas, Wouter Dewulf and Ann Verhetsel at Winter Conference Regional Studies
- On 13 November 2015: '*De Rol van Brussels Airport in Internationale Context*' by Evy Onghena at VRP event Brussels Airport, Brussels
- On 6 November 2015: '*Current shipping research*' by Thierry Vanelander at ECSA Economics Advisory Committee, Brussels
- On 23-25 October 2015: '*Cost-benefit evaluation of e-commerce last mile deliveries. A case study in Mechelen*' by Ivan Cardenas, Wouter Dewulf and Thierry Vanelander; '*Ho.Re.Ca. Logistics and European Medieval Structured Cities: A Search for Cost Generators*' by Thomas Verlinden, Wouter Dewulf and Eddy Van de Voorde; '*Urban Logistics Innovations Opportunities*' by Yari Borbon, Wouter Dewulf and Thierry Vanelander; '*European and North American Air Cargo Carriers: An Analysis of Their Respective Hub and Network Strategies*' by Wouter Dewulf at METRANS 2015 Conference, Long Beach, USA
- On 20-22 October 2015: Hilde Meersman and Eddy Van de Voorde lecture in the course 'Introduction to Transportation Systems' on '*Analysis of the Maritime and Port Sector*' and on '*Strategies and Uncertainties in the Maritime and Port Sector*', and in the course on 'Advanced Demand Modeling' on



2015 I-NUF

6th METRANS International Urban Freight Conference
October 21-23, 2015 The Westin Long Beach Hotel, CA



'Forecasting with time series and dynamic econometric methods'
at MIT, Cambridge, Boston

- On 19-24 October 2015: Thierry Vanelander lectured on Port Economics at Chongqing University, China
- On 12 October 2015: Christa Sys and Thierry Vanelander presented and moderated at the [Antwerp SRL event](#) – [view pictures](#)

Further details on the own conferences of TPR are available on the [TPR's website](#). Requests for copies of the various presentations should be addressed to the organizers, as publishers of the respective proceedings.

TPR members have given a series of **press interviews** during the latest months. Full details, and related textual, audio and video material is available through [TPR's media page](#).

In a research project conducted under the **BNP Paribas Fortis Chair for Transport, Logistics and Ports** at the University of Antwerp, during the period Autumn 2013-Spring 2015, data was collected on 75 different innovation cases. The study was carried out as part of an international research effort involving six universities and the results were presented at the second BNP Paribas Fortis CO.Innovation event (April 23th, 2015). The research explains how innovations make it possible to address the major challenges of the port industry (especially among the players of the supply chain) and to generate competitive advantage. The executive summary and an overview of the innovative cases clustered per stakeholder can be consulted [here](#).



The European Horizon 2020 **BENEFIT 4 TRANSPORT** (Business Models for Enhancing Funding and Enabling Financing of Infrastructure in Transport) project, to which TPR contributes, released its [third newsletter](#). BENEFIT takes an innovative approach by analysing funding schemes within an inter-related system. The newsletter reports the findings of the first Policy Dialogue held on 24 September in Milano, and the webinar of 3 September 2015.



Matteo Balliauw was awarded an IWT (Flemish Science Foundation) research grant for his project 'Port capacity: pricing and investment under uncertainty. The development of a game-theoretical real options model in the maritime chain'.



Thomas Vanoutrive was awarded an FWO (Flemish Science Foundation) grant for his project 'Public transport policy: discourse, accessibility and alternatives'



During the past months, C-MAT hosted following **guest lecturers**:

- On 13 October 2015: George Van Gastel (National Bank of Belgium) on Structure Changes in the Global Economy
- On 13 October 2015: Athena Roumboutsos (University of the Aegean / TransportNET) on Systems of Innovation
- On 20 October 2015: Koos Frouws (Delft University of Technology / TransportNET) on Ship Design
- On 27 October 2015: Michele Acciaro (Kühne Logistics University) on Innovation objectives and success
- On 28 October 2015: Kenneth Sørensen (University of Antwerp) on Routing in Transport
- On 6 November 2015: Marc Huybrechts (CLECAT / Wijngaardnatie) on Cost and Pricing Calculations in the Logistics Industry
- On 10 November 2015: Jean Verheyen (Nallian) on Port Communication Technology



- On 10 November 2015: Inge Mayeres (VITO) on Environmental issues and sustainability
- On 17 November 2015: Hans Kuijpers (Riccardo) on Rail Innovation
- On 24 November 2015: Wouter Van Hoorebeke (Jan de Nul) on Dredging Innovation
- On 24 November 2015: Nico Berx (Port of Antwerp International) on Change in political environment
- On 25 November 2015: Marc Van Peel (Chairman Port of Antwerp) on Cultural environment: diversity and globalisation
- On 1 December 2015: Ken Button (George Mason University) on Efficiency when Assessing/Monitoring Strategies and on External Costs and Taxation in Transport
- On 1 December 2015: Peter Van de Vijver (Ambos) on Legal and regulatory framework within which transport firms operate
- On 4 December 2015: Mathieu Poupard (Airbus) on Airplane Innovation
- On 7 December 2015: Bert van Wee (TU Delft) on Cost-Benefit Analysis in Transport
- On 8 December 2015: Nineta Polemi (University of Piraeus) on Evaluating the physical and cyber risks of Ports' Supply Chain services
- On 9 December 2015: Ivo Mertens (BNP Paribas Fortis) on Risk Management in Air and Maritime Transport
- On 11 December 2015: Marc Verelst (Procter & Gamble) on Physical Internet and Supply Chain Innovation
- On 16 December 2015: Tom Saelens and Lars Schoeters (GeoSea) on Offshore Logistics Innovation

For more information on C-MAT and registration for our programs, please visit our [website www.c-mat.be](http://www.c-mat.be) or our [facebook page](#).





The [Policy Research Centre on commodity and passenger flows \(MOBILO\)](#) released a new policy-supporting paper, entitled **‘Choice behavior of company car drivers within the mobility budget’**, written by Toon Zijlstra, Peter Goos, Thomas Vanoutrive and Ann Verhetsel. The mobility budget (MB) is presented by employers, sector organizations and policymakers as a concept with a large potential to stimulate sustainable mobility in Flanders. In this study, the choice behavior of employees with a company car was investigated when they were offered a MB. Three research questions were examined: [1] will the MB reduce the number of cars, [2] will the MB lead to cleaner cars and [3] will the MB lead to more multimodal travel behavior. The paper is available [here](#).

Het [Steunpunt Goederen- en personenvervoer \(MOBILO\)](#) publiceerde een nieuwe beleidsondersteunende paper, getiteld **‘Keuzegedrag van bedrijfswagenrijders binnen het mobiliteitsbudget’**. De auteurs zijn Toon Zijlstra, Peter Goos, Thomas Vanoutrive en Ann Verhetsel. Het mobiliteitsbudget (MB) wordt door werkgevers, belangenorganisaties en beleidsmakers gepresenteerd als een kansrijk concept om duurzame mobiliteit te bevorderen in Vlaanderen. In deze studie onderzochten we het keuzegedrag van werknemers met een bedrijfswagen wanneer een MB zou worden aangeboden. Drie onderzoeksvragen staan centraal: [1] zorgt het MB voor minder wagens, [2] zorgt het voor schonere wagens en [3] zorgt het voor meer multimodaal reisgedrag. De paper is [hier](#) beschikbaar.



A second, published policy-supporting paper is entitled '**Social cost-benefit analysis of a private urban consolidation centre in Antwerp**' and was written by Bram Kin and Cathy Macharis. Sustainable city distribution concepts such as an urban consolidation centre (UCC) are intended to make city distribution more economically, environmentally and socially sustainable. Goods from outside the city destined for a specific delivery area and transported by different transport companies are bundled in close proximity to the delivery area. The main constraint is financial viability since stakeholders in city distribution (i.e. shippers, receivers and transport operators) are often not willing to pay for the additional cost of consolidation. City Logistics as a business unit of bpost, started a UCC in Antwerp in 2014. In order to evaluate the UCC, a social cost-benefit analysis (SCBA) is applied. Social cost-benefit analyses quantify all the welfare effects of a project.

Een tweede beleidsondersteunende paper die werd gepubliceerd, is getiteld '**Social cost-benefit analysis of a private urban consolidation centre in Antwerp**' en werd geschreven door Bram Kin en Cathy Macharis. Duurzame stadsbevoorradingconcepten, zoals een stedelijk distributiecentrum (SDC), beogen de huidige stadsbevoorrading te verduurzamen op zowel ecologisch, sociaal als economisch vlak. De bedoeling van een SDC is om goederen van verschillende transporteurs, met bestemming in hetzelfde stedelijke gebied, te bundelen. Het probleem blijft echter een duurzaam bedrijfsmodel omdat transporteurs, verladers en ontvangers vaak niet bereid zijn om voor de extra kost van consolidatie te betalen. In Antwerpen is City Logistics, als bedrijfsonderdeel van bpost, in 2014 een SDC gestart. In dit onderzoek wordt dit SDC geëvalueerd met een sociale kosten-baten analyse (SKBA) waarbij alle effecten (direct, indirect en extern) worden gemonetariseerd. De paper is [hier](#)

The paper is available [here](#).

beschikbaar.



The [Policy Research Centre on commodity and passenger flows](#) organized a closing event on **24 November 2015** in Antwerp on the topic '**Policy-supporting research: luxury or necessity?**' The scientific and policy-supporting output of the past four years was presented and discussed with academics, policymakers and sector stakeholders. The pictures of the event are available [here](#).

Het [Steunpunt Goederen- en personenvervoer \(MOBILO\)](#) organiseerde een slotevent op **24 november 2015** in Antwerpen rond het thema '**Beleidsondersteunend onderzoek: luxe of noodzaak?**'. De wetenschappelijke en beleidsondersteunende output van de afgelopen vier jaar werd gepresenteerd en bediscussieerd met academici, beleidsmakers en sector-belanghebbenden. De foto's van het event kan u [hier](#) bekijken.

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