

Two-day International Conference

Department of Transport & Regional Economics / Research Center on Commodity Flows

KEY DEVELOPMENTS IN THE PORT AND MARITIME SECTOR

WCTRS - Special Interest Group 2

21- 22 May 2012

Schedule and practical information



	Monday 21 May		
8 – 8.45hrs	Registration of participants - Hof van Liere		
8.45 - 9.15hrs	Official opening		
	Thierry Vanelslander, Scientific conference co-ordinator	Rudy Martens, dean Faculty of Applied Economics	
	Johan Meeusen, vice-rector University of Antwerp	Ann Verhetsel, Department chair	
9.15 – 10.45hrs	Port competition	Ship dimensioning and speed	Port management
	Session Chair: Eddy Van de Voorde	Session Chair:Koos Frouws	Session Chair:Thierry Vanelslander
	Room: Grote Zaal	Room: Greshamzaal	Room: Willem Elschotzaal
	Reefer Cargo Market in South American East Coast: a competitive analysis	Application of ship hydrodynamics studies for adapting navigation areas to increasing ship dimensions	Bulk supply chain and port governance
	Bomer Galvao Cassia, Robles Lea Tadeu	Vantorre Marc, Eloot Katrien	Comtois Claude, Slack Brian
	Intermodal Transport-Orientation of Ports: A Focus Group Study	Selection of the most efficient steaming speed of containerships using a topsis method	Organizational Change in Ports and Analysis of Effectiveness in Value Chain Systems: results of a survey
	Denktas Sakar Gul, Durmus Ali Deveci	Abdul Rahman Noorul Shaiful Fitri, Yali Zang, Bonsall Steve, Wang Jin	Karatas Cimen, Cerit Guldem
	Defining hinterland boundaries: a quantitative analysis of Italian ports	ARIADNA - Maritime Volumetric Navigation System	Flexibility in port development and management
	Grosso Monico, Ferrari Claudio, Parola Francesco, Dal Savio Giulio	De La Cuesta Bedoya Carlos, Gomez Arche Ana,Olmedo Soler Rafael, Lopez CabeceiraMarcosAichhorn Klaus	van der Lugt Larissa, Nijdam Michiel
	Suitability Of Brazilian Ports To International Standards Of Ports Needs: A Case Study In The Port Of Salvador	Mega ships and upscaling in the global effect	The Economics of Port Management Reform
	Ferreira da silva barros Cristiane, Granemann Sergio	Slack Brian, Comtois Claude	Verhoeven Patrick, Van de Voorde Eddy
10.45 - 11hrs	Coffee break		
11- 12.15hrs	Hinterland policy	Green shipping options	Social and resource issues in ports
	Session Chair:Tom Pauwels	Session Chair:Christa Sys	Session Chair: Patrick Verhoeven
	Room: Grote Zaal	Room: Willem Elschotzaal	Room: Greshamzaal
	Freight Transport Issues in the National Road Pricing Policy	A real option approach to investment in low sulphur maritime transport	USC CREATE Port Security Risk and Resource Management System (PortSec)
	Nazemzadeh Marzieh, Hilde Meersman, Vanelslander Thierry	Acciaro Michele	Orosz Michael, Isaac Maya
	An exploratory analysis of the effects of modal split obligations in terminal concession contracts	An Investigation of the Feasibility of Nuclear Propulsion for Merchant Ships (Issues to be addressed by operating)	Modelling Human Resources Management in Maritime Container Terminals
	Van den Berg Roy, De Langen Peter	Javdani Zamani Sagheb Saeed, Moharami Gargari Masoud	Serra Patrizia, Fadda Paola, Di Francesco Massimo, Fancello Gianfranco, Zudas Paola
	The Project LOG-PAC and the Master Plan Of The Northern Italy Waterway System: A Real Alternative to promote sustainable Freight Transport	The European Union carbon policy: data and base (perimetre) issues for the shipping industry	European maritime transport and port activities: identifying policy gaps towards reducing environmental impacts of socio-economic activities
	Bresciani Chiara, Piccoli Guido	Lacoste Romuald, Gambet Emmanuel	Boteler Benjamin, Grünig Max, Lago Manuel
	A network flow model for the Northern Italy waterway system	Maritime NOx- and Sox-marginal emission abatement cost curves	'Working with the Neighbours': Application of industrial ecology across port areas and its potential to leverage commercial advantage and support sustainable development
	Righini Giovanni	Vanherle Kris, Van Zeebroeck Bruno	Royston Kate



12.15 – 13.30hrs	Walking Lunch		
13.30 - 15hrs	Maritime pollution and prevention	Port hinterland positioning	TRANSPORTNET session: port innovation process and market uptake
	Session Chair: Trevor Heaver	Session Chair: Larissa Van der Lugt	Session Chair:Thierry Vanelslander
	Room: Greshamzaal	Room: Grote Zaal	Room: Willem Elschotzaal
	The Mediterranean basin area: the need to develop agreements and protocols for dealing with emergencies involving pollution at sea	Characteristics of inland container depots in the logistics landscape of Northern India	Port innovation analysis
	Ballini Fabio, Bozzo Ricardo, Cafaro Paolo	Gupta Sanjay	Vanelslander Thierry
	The Environmental problem in oceans caused by waste disposal by cruise ships	Intermodal transportation network design under uncertainty: case of the Hinterland of the port of Cotonou	Cold ironing introduction
	Dias Camila, Rodrigues Ranyelle, Mouette Dominique	Lihoussou Messan	Tei Alessio
	Are marine accidents really accident? Fallacy of random marine accidents in dry cargo fleet	Understanding supply chain management concepts in the context of port logistics: An explanatory framework	Port community systems development
	Bulut Emrah, Shigeru Yoshida	Herz Nico	Kapros Seraphim
	Air pollution regulation in the North Sea and the Baltic: Exploring the drivers of clean tech adoption in the maritime industry		Indented berth construction
	Rivas Hermann Roberton, Remmen Arne		Tei Alessio
5 - 15.15hrs	Coffee break		
15.15 – 16hrs	Industry meets academia: the panel debate Patrick Verhoeven, Marc Huybrechts, Valérie Du Bois, Stefan Vanfraechem, Gen Giuliano, Eddy Van de Voorde, Christa Sys		
	Room: Grote Zaal		
6– 17hrs	Port-city relationship	Maritime transport costs and market share	ACTRAMAR session: port and maritime transport law discussion session
	Session Chair: Cimen Karatas	Session Chair:Michele Acciaro	Session Chair: Thierry Vanelslander
	Room: Willem Elschotzaal	Room: Grote Zaal	Room: Greshamzaal
	The relationship between port and town: a brief comparative study between Paranaguá (PR) and Rio Grande (RS), two major southern ports of Brazil	The uneven effect of maritime transport costs on international trade	Legal regime of freight integration. issues in shipping and port operation
	Fernandes Rosa Neu Marcia	Bensassi Sami, Martinez-Zarzoso Inmaculada, Súarez Burguet Celestino	De Wit Ralph
	A Ship Handling Difficulty Decision Tool for Safety Improvement of Ship Operated at Port Water/Strait Water based on the combination of AHP & Fuzzy Logic: Study case ferry	Re-Structuring Central Asia in the Global Market through Maritime Linkages	The proposal for a european directive on concessions:: impact on ports
	Priadi Antoni Arif, Tjahjono Tri, Benabdelhafid Abdellatif	Gundogan Mete	Van Garsse Steven
	Impacts of the Clean Air Action Plan	Sea basins characteristics affecting the presence of transhipment in regional maritime container markets	Maritime law issues
	Genevieve Giuliano	Russo Francesco, Musolino Giuseppe	Van de Vijver Peter
			The needs of the private transport law sector
			Hallemans Alexis



17.15 – 18.30hrs	Inland hub systems	Technical port issues	Shipping company strategies
	Session Chair: Guldem Cerit	Session Chair: Denktas Sakar Gul	Session Chair:Eddy Van de Voorde
	Room: Grote Zaal	Room: Greshamzaal	Room: Willem Elschotzaal
	Governance patterns of European DRYPORTS and Conflict Resolution	Ports and Innovation	Market share instability: evidence at trade level
	Warsewa Guenter, Seidel Karsten, Tholen Jochen, Kuehn Manuel	Poonam Taneja	Sys Christa
	Simulation tool for the dry port concept study	Modeling and comparison among different train loading and stacking policies in a container terminal	Port throughput (A) Synchronicity: a macro-economic determinants analysis
	Kuznetzov Alexander	Caballini Claudia, Ambrosino Daniella, Sacone Simona, Siri Silvia	Paflioti Persa, Tsamourgelis Ioannis, Vitsounis Thomas
	Location analysis of dry ports using Fuzzy c-Means (FCM) clustering - A case study of the port of Dalian	Techno-economic evaluation of a cost-efficient standard container monitoring system	Benchmarking seagoing ship designs with RoRo vessels as an example
	Chang Zheng, Notteboom Theo	Lannoo Bart, Naudts Bart, Vanhauwaert Erik, Ruckebusch Peter, Hoebeke Jeroen, Moerman Ingrid	Frouws Koos
	Freight logistics costs in South Africa. Lower relative costs, higher risk	Evaluating the Impacts of Marine Container Terminal Gate Appointment Systems Using Simulation	Mapping the Factors and Dynamics Shaping Ship Manning and Workloads
	De Bod Anneke, Havenga Jan, Simpson Zane	Boile Maria, Moini Nadereh, Theofanis Sotirios, Golias Michael	Garb Yaakov, Hallside Marcus, Rosen Lewis
18.30hrs - 19hrs	Moving to Town hall		
19hrs	Conference Walking Reception at Townhall		



	Tuesday 22 May			
8.30 – 9.30hrs	Port concentration	Motorways of the Sea / Short Sea Shipping	Port and terminal location	
	Session Chair: Joost Hintjens	Session Chair:Monica Grosso	Session Chair:Jan Havenga	
	Room: Grote Zaal	Room: Willem Elschotzaal	Room: Greshamzaal	
	The Dynamics of market concentration and its impact on Mediterranean container ports' competitiveness	Motorways of the Sea - can we turn Pipedreams into Reality?	Size Distribution Of Container Terminals In Seaports. Inclusion of the time factor	
	Elsayeh Mohi-Eldin, Hubbard Nick, Tipi Nicoleta	Fannon John	Kaselimi Vicky, Notteboom Theo	
	The territorial linkages of materials flows: port-region specialization in Europe, Japan, and the United States	Development of a planning model for small and medium sized forwarding companies for Short Sea Shipping transports	Location of logistics companies: measuring the impact of accessibility by discrete choice modeling	
	César Ducruet, Itoh Hidekazu, Joly Olivier	Muschkiet Markus, Clausen Uwe	Blomme Nele, De Smedt Bart, Cant Jeroen, Goos Peter, Kessels Roselinde, Verhetsel Ann	
	How Robust is Concentration in the European Container Port Sytem? A Note on the North-South Balance of European Port Traffic	New Scheduling and Routing for Italian Motorways of the Sea	The Spatial Organization of the Ports in Santa Catarina and its Cities	
	Vanoutrive Thomas	Bevilacqua Maria, Carrese Stefano, Petrelli Marco	Cabral Elisa, Bastos José, Neu Márcia	
9.30 – 9.45hrs	Coffee break			
9.45 – 10.15hrs	Keynote speech Corrado Antonini (CEO Fincantieri): What future for European shipbuilding and the role of Fincantieri			
	Room: Grote Zaal			
10.15 – 11.15hrs	French-speaking session / Session francophone	Shipping integration and monitoring	Green shipping policies	
	Session Chair: César Ducruet	Session Chair: Trevor Heaver	Session Chair:Edwin van Hassel	
	Room: Greshamzaal	Room: Willem Elschotzaal	Room: Grote Zaal	
	Mission de transfert modal des autoroutes de la mer	Drivers and barriers of integration for shipping lines and terminal operators and its relations with the evolution of global supply chains – formulation and methodological approach	Abating C02 and Sox emissions from ships: what impact on the cost structure of North Europe-East liner services over the period 2015-2025 and what indirect effects on emissions	
	Dang Khanh Linh	Correia Duarte, Viegas José	Doudnikoff Marjorie, Gouvernal Elisabeth	
	Le futur des ports Algériens	A Data Mining Approach for Exploratory Data Analysis to Forecasting Arrivals Models in a Transhipment Container Terminal	International Transport and Sustainable Development	
	Mohamed Cherif Fatima Zohra	Pani Claudia, Fadda Paolo, Fancello Gianfranco, Frigau Luca, Mola Francesco	Köhler Jonathan	
		The Strategy of Japanese Shipping industry. Diversification Strategy of Japanese Shipping Industry		
		Sun Yongze, Yoshida Shigeru		
11.15 – 11.30hrs	Coffee break			
11.30 – 12.30hrs	Public issues in ports	Social and stakeholder issues in shipping	Maritime crisis impact	



	Session Chair: Francesca Medda	Session Chair: Alessio Tei	Session Chair: Elisabeth Gouvernal
	Room: Greshamzaal	Room: Willem Elschotzaal	Room: Grote Zaal
	How are investments allocated in a publicly-owned port system? Political factors vs. economic criteria	Corporate Social Responsibility in the Baltic Sea Shipping companies	Ports and maritime transport in crisis: uncertainty caught in scenarios
	Fageda Xavier, Castillo Manzano José-Ignacio	Storgard Jenni, Rasi Mirja	Francke Jan
	Emerging private participation in ports LPG & LNG infrastructure and it's impact on Energy Sector. A case study in India	Analysis of Quality Indicators Of Seaport Ferry Service And Seaport Intermodality Connections: Case Study Croatia	New dry bulk shipping services in an uncertain economic climate
	Thirukoilur Narayan Murthy	Stupalo Vlatka, Jolic Natalija, Bukljaš Skocibušic Mihaela	Gille Johan, van Drunen Eric
	Competition issues at ports with a focus on EU State Aid rules	Managing Stakeholders along the Maritime Transport Chain: An Introduction	Current problems of the Kaliningrad region maritime transport complex development
	Oxley Paul, Meany Andrew, Eilts Enno	Wolff Jutta	Meyler Leonid, Moiseenko Sergey, Fursa Sergey
12.30 – 14.15hrs	Lunch + brainstorm session		
14.15 – 15.45hrs	Port chain integration	Shipping and trade modeling	Port business models
	Session Chair: Jan Francke	Session Chair:Hilde Meersman	Session Chair: Johan Gille
	Room: Grote Zaal	Room: Willem Elschotzaal	Room: Greshamzaal
	Extended logistical factors for port evaluation from a business perspective	Containerisation and economic downturn: the dichotomous case of African countries	Value creation in port: the customer's perspective
	Dircksen Michael	Caschili Simone, Medda Francesca	De Martino Marcella, Morvillo Alfonso
	Vertical Integration on Logistics Chains as Competitive Advantage: the case of iron ore exportation by Ponta de Madeira (MA) Brazilian Port	The Lead-lag interactions between dry cargo freight market and the vessel traffic in Istanbul Strait	Ownership, efficiency and performance in the cruise terminals
	Robles Leo Tadeu, Cutrim Sérgio Sampaio, Moura José de Pinheiro	Duru Okan, Yoshida Shigeru	Di Vaio Assunta, Medda Francesca, Trujillo Lourdes
	Collaborative Relationships: Their growing role in international logistics	Relationships among demand variables of container maritime transport: an aggregate procedure for the Mediterranean area	Determinants Of Port Revenues: Empirical Evidence From Spain
	Heaver Trevor	Musolino Giuseppe, Russo Franccesco	Gonzalez Marta, Fageda Xavier
	Ports of Baltic Sea Region: Transport Nodes or Industrial Bridges?	Containership and general cargo foreland determination using complex networks theory: Main and emergent European ports (2007-2011)	International port cluster co-operation: the Flemish-Dutch Delta case
	Efimova Elena	Pais Montes Carlos, Freire Seoane Maria Jesus, Gonzales Laxe Fernando	Hintjens Joost, Kuipers Bart, Van der Horst Martijn, Vanelslander Thierry
	Integrating seaports as logistics hubs in freight transport modeling	Long term container volume forecasting. Decoupling gross domestic product and container movements	Port procedural comparison: Antwerp vs. Rotterdam
	Klauenberg Jens, Lenz Barbara	Havenga Jan, De Bod Anneke, Simpson Zane	Gubbi Caroline, Sys Christa, Van de Voorde Eddy, Vanelslander Thierry
15.45 - 16hrs	Coffee break		



16 – 17.30hrs	Port performance and efficiency	Green and innovative ports	Port system optimization
	Session Chair: Thomas Vanoutrive	Session Chair: Tom O'brien	Session Chair:Marcella De Martino
	Room: Willem Elschotzaal	Room: Grote Zaal	Room: Greshamzaal
	Port Performance Assessment Based On The Balanced Scorecard (BSC)	Port Geofence Calculation for Greenhouse Gas Reduction	Estimating Lock Congestion
	Gao Ziyi, Yoshida Shigeru	Klumpp Matthias, Sandhaus Gregor, Kandel Christof, Krome Dirk	Reynaerts Jo
	The Effects of an Introduction of Performance and Quality Indexes in the Evaluation of the Terminal Activity	Development and environmental issues in the Port of Augusta: towards the integrated planning approach adopted in the Port of Antwerp	The lockmaster's problem
	Tei Alessio, Ferrari Claudio, Puliafito Pier Paolo	Lavenia Ivano	Coene Sofie, Spieksma Frits, Vanden Berghe Greet
	A Comparative Analysis of Efficiency of Container Ports and Terminals in the North Mediterranean Area	The transport of palletized goods by means of Floating Dc's and Self- Loading Containerships	A Lead-Time Based Approach for Sequencing Operations in Port Terminals Considering Hazardous Materials
	Medda Francesca, Trujillo Lourdes	Vermant David	Di Febbraro Angela, Sacco Angela, Saeednia Mahnam
	Prestudy Port Service Quality Dimensions: Port Of Izmir As A Case Study	Estimation of greenhouse gas emissions for the Port of Antwerp	The lock scheduling challenge: Improving efficiency through optimization and decision support
	Arabelen Gamze, Oral Ersel Zafer	Ina De Vlieger, Aernouts Kristien, Degraeuwe Bart, Callebaut Karen, Schrooten Geert	Verstichel Jannes, De Causmaecker Patrick, Vanden Berghe Greet
		Improving environmental performance through innovation: the role of stakeholder collaboration in West Coast North American Port Gateways	Measuring time efficiency of container ports based on global vessel movements
		O'Brien Thomas, Hall Peter, Woudsma Clarence	César Ducruet, Merk Olaf
17.30hrs	Closing + reception		