Trade and Development Commission 5th session

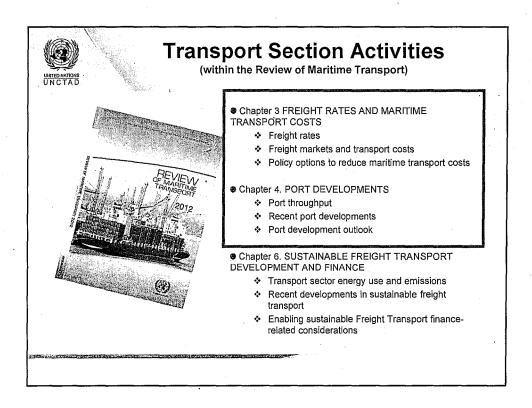
17-21 June 2013 Geneva

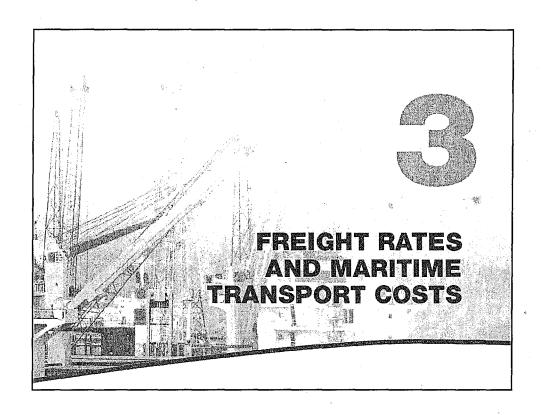
Key Trends in International Transport and Implications for Development

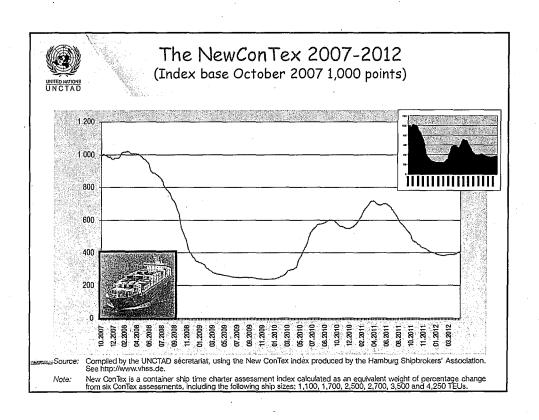
By
Vincent Valentine
Officer-in-Charge, Transport Section
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Division on Technology and Logistics
UNCTAD

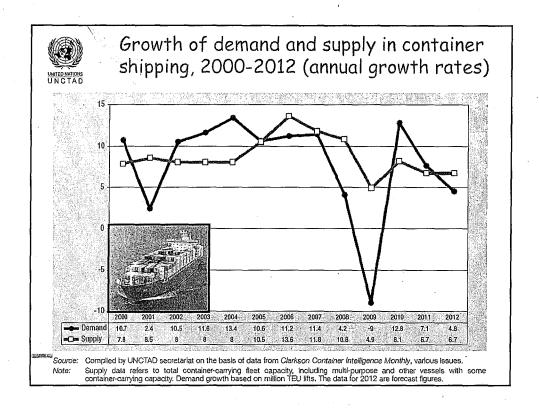
The views expressed are those of the author and do not necessarily reflect the views of UNCTAD.

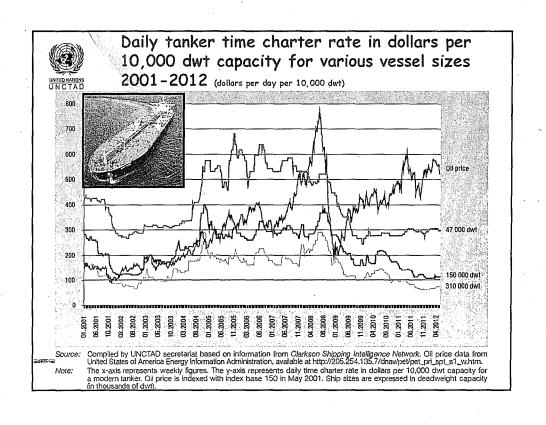


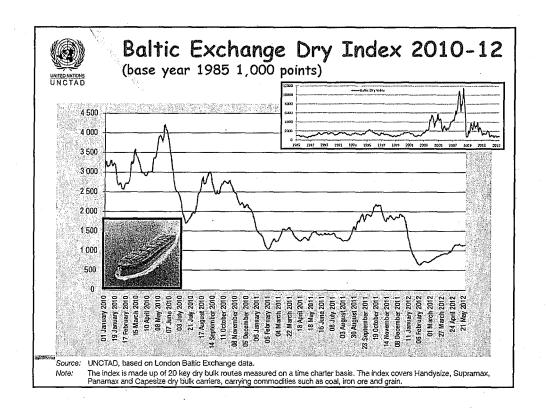


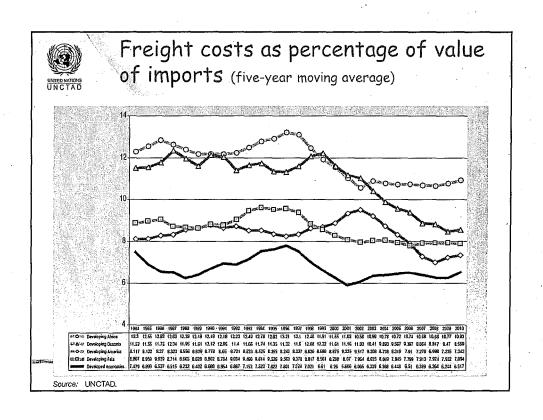


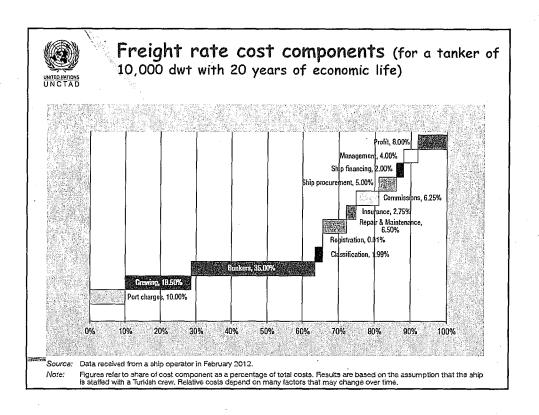


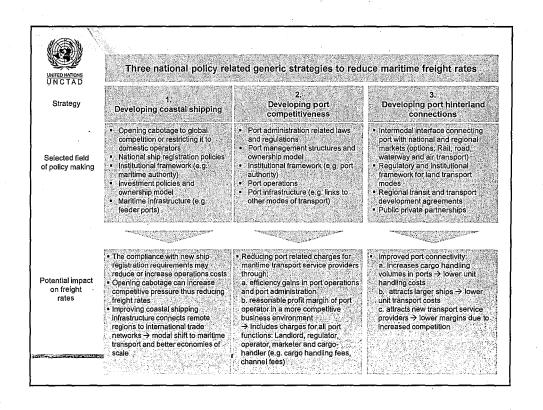


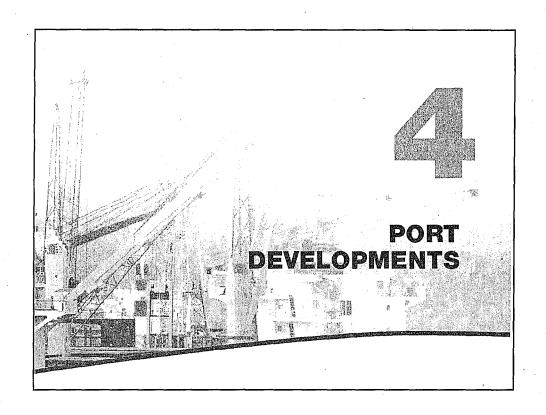














Container port throughput for 75 developing countries and economies in transition for years 2009, 2010 and 2011 (TEUs)

		THE STATE OF THE S			
Country	2009	2010	Preliminary figures for 2011	Percentage change = 2010–2009	Percentage change 2011–2010
			rigures (Ur. 2014)	2010-2003	2011-2010
China	107 963 180	128 929 895	138 391 031	19.42	7.34
Singapore	26 592 800	29 178 500	30 722 470	9.72	5.29
China, Hong Kong SAR	21 040 096	23 699 242	24 404 000	12.64	2.97
Republic of Korea	15 699 161	18 537 801	20 809 210	18.08	12,25
Malaysia	15 859 938	18 244 650	19 808 658	15.04	8.57
United Arab Emirates	14 425 039	15 174 023	. 16 752 724	5.19	10.40
China, Taiwan Province of	11 352 097	12 501 107	13 463 919	10.12	7.70
India	8 011 810	9 752 908	9 951 310	-21.73	2.03
Indonesia	7 243 557	8 371 058	8 884 888	15.57	6.14
Brazil	6 574 617	8 121 324	8 597 733	23.53	5.87
Thailand	5 897 935	6 648 532	7 170 500	12.73	7.85
Egypt	6 250 443	6 709 053	6 556 189	7.34	-2.28
Panama	4 597 112	5 906 056	6 534 265	28.47	10.64
Viet Nam	4 936 598	5 983 583	6 282 762	21.21	5.00
Turkey	4 521 713	5 547 447	5 998 820	22.68	8.14

Sources: UNCTAD secretariat, derived from information contained in Containersation International Online (May 2012), from various Dynamar B.V. publications and from information obtained by the UNCTAD secretariat directly from terminal and contained by the UNCTAD secretariat directly from terminal

The term other reported refers to countries for which fewer than 100,000 TEUs per year were reported. Notes: Many figures especially for 2011, are estimates (these figures are highlighted in talkes). Port throughput figures tend not to be disclosed by ports until a considerable time after the end of the calendar year. Country totals may conceal the fact that mhor ports may not be included; therefore, in some cases, the actual flouries may be higher than those owen.





The relationship between vessel size and terminal type

	Container terminal	Terminal Type	
Maximum vessel carrying capacity	ULCSs (maximum 18,000–22,000 TEUs; 165,000 dwt)	Dry-bulk terminal & VLOCs (maximum 400,000 dwi)	Tanker terminal (1) Ultra large crude carriers (ULCCs) (maximum 440,000–550,000 dwt)
Maximum vessel dimensions	Length: 400 metres Beam: 59 metres Draught: 14.5 metres	Length: 362 metres Beam: 65 metres Draught: 23 metres	Length: 458 metres Beam: 69 metres Draught: 24.6 metres
Alongside berth depth needed	15 metres	23.5 metres	25 metres
Berth length	1 000 metres. The whole vessel needs to be adjacent to the quay area to allow maximum unbading/bading and further berths needed at the same quay for feeder vessels.	Access to the vessel can be via a pier extended out into deeper water and cargo moved via conveyor.	Access to the vessel can be via a pier extended out into deeper water and cargo moved via pipeline.
Pilotage	Increased assistance likely	Increased assistance likely	Increased assistance likely
Terminal area	Two-way (import/export) cargo movement means increased storage space is needed to discharge and load cargo. Container yard depth should be at least 500 metres. Approximately 25–30 ha is needed for a terminal with an annual throughput of 1 million TEUs.	As cargo tends to move in one way (export to import) the increase storage space needed is minimal and lends to be open air, i.e. requiring only land surface. One million tons of iron ore occupy approximately 12–15 ha.	Aithough cargo tends to move in one direction, costly storage facilities and land surface are needed. One million barrels of storage occupy an area of 5 ha.
Ouayside cargo-handling equipment	8-10 gantry cranes per berth with an outreach of 23 TEUs, \$8 million- 10 million each.	No significant difference	No significant difference



Sources of International and Regional Funding

UNCTAD

	Total lending*	Infrastructure lending	Transport Sector lending ***	Transport Sector Share
European Investment Bank	\$57.6 billion (EUR 44.8 billion)		\$13 billion (EUR 10.1 billion)	23%
Asian Development Bank	\$21.6 billion		\$5 billion	25%
International Bank for Reconstruction and development /international Development Assn.	\$35.3 billion		\$4.4 billion	13%
International Finance Corporation	\$15.5 billion	\$1.5 billion		
Inter American Development Bank	\$11.4 billion		\$1.7 Billion	15%
European Bank for Reconstruction and Development	\$7.7 billion (EUR 6 billion)		\$1.6 billion (EUR 1,3 billion)	21%
African Development Bank	\$8.8 billion (UA 5.7 billion)	\$2.4 billion ** (UA 1.57 billion)	\$1.5 billion (UA 1 billion)	63%

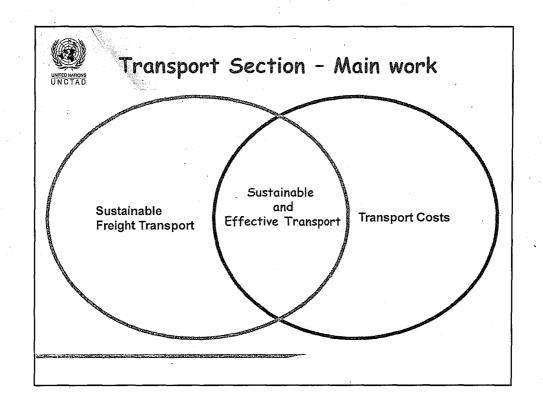
Source: Compiled by UNCTAD secretariat from various annual accounts
* For 2012 ** For 2011 *** May include other sectors e.g. communication or environment



Infrastructure Investment Funds

Fund	Firm	\$m	Region
Global infrastructure Partners II	Global Infrastructure Partners	8,250	Global
Global Infrastructure Partners	Global Infrastructure Partners	5,640	Global
Energy Capital Partners II	Energy Capital Partners	4,335	North America
EIG Energy Fund XV	ElG Global Energy Partners	4,121	Global
Alinda Infrastructure Fund II	Alinda Capital Partners	4,097	North America, Europe
Morgan Stanley Infrastructure Partners	Morgan Stanley Infrastructure	4,000	Global
Citi Infrastructure Partners	Citi Infrastructure Investors	3,400	OECD
ArcLight Energy Partners Fund V	ArcLight Capital Partners	3,310	North America, Europe
GS Infrastructure Partners II!	GS Infrastructure Investment Group	3,100	North America, Europe
Brookfield Americas Infrastructure Fund	Brookfield Asset Management	2,655	North America, South America

Source: (Preqin, 2012) The 2012 Preqin Infrastructure Review





The Way to the Ocean

Transit corridors servicing the trade of landlocked developing countries

- Building Institutional Capacity
- ❖ Building trust
- Developing transport nodes

