UNCTAD Ad Hoc Expert Meeting on Assessing Port Performance

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The Role of External Factors Versus Managerial Ability in Determining Relative Efficiency

by

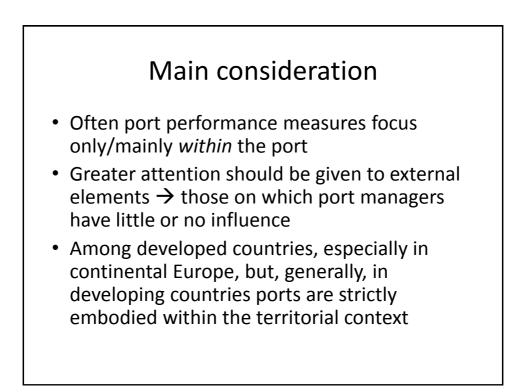
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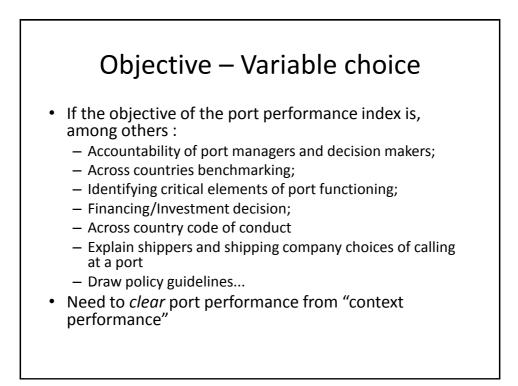
Ad Hoc Experts Meeting on Assessing Port Performance Geneva, 12 December 2012 AFTERNOON SESSION: A RESEARCH PERSPECTIVE

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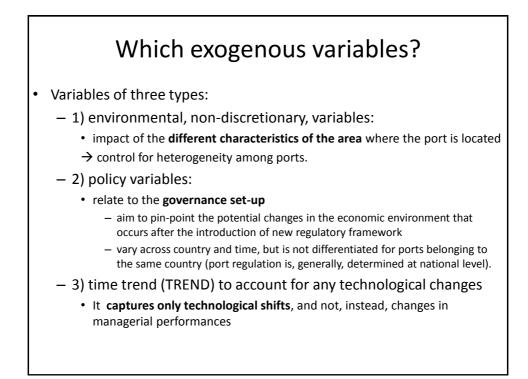
Consequences

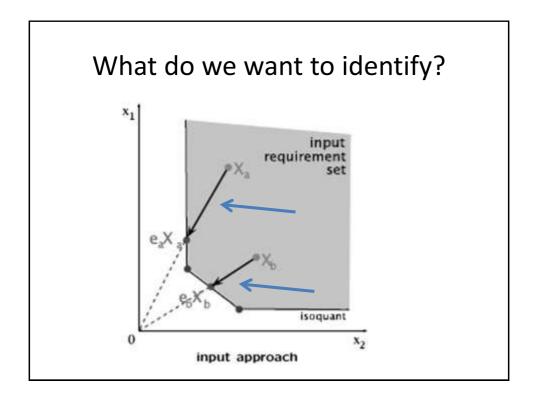
- Often, elements which determine a port's choice by shippers and shipping companies are beyond control of port authorities;
- However, performance is evaluated on output produced with available inputs (labour, capital, ecc.)
- Evaluating performance without taking into account institutional and other external elements might be misleading:
 - With respect to port management;
 - With respect to goverments and transport agencies;
 - With respect to clients.



The role of operating environment

- The role played by non-discretionary characteristics in affecting performances has been gaining momentum in the literature investigating the determinants of efficiency in industries with relevant involvement of the public sector
- Efficiency gaps might be due to:
 - managerial lack of capability,
 - high degree (or the form) of government involvement
 - i.e. alternative governance regimes might give rise, *ceteris paribus*, to inefficiency differentials across operators
 - different operating conditions, that are not controlled by operators.
- These considerations fit well the transport sector in general and the port industry in particular.





	 Algeciras, 		•	Algeciras,
Original DEA	 Rotterdam, 	Adjusted DEA	• •	Gioia Tauro,
•	Antworn	•		Taranto,
Ranking (average	e). Valencia,	Ranking (average	e) •	Bremen-Bremenhaven,
	 Gioia Tauro, 		•	Valencia,
Bergantino A.S. and E. Musso, 2011, The role of external factors versus managerial ability in determining	 Marseilles, 		•	Marseilles,
	• Genoa,		•	Antwerp,
	 La Spezia, 		•	Rotterdam,
	• Bremen-Bremenhaven,		•	Genoa,
	 Hamburg, 		•	Le Havre,
	Le Havre,		•	La Spezia,
	 Amsterdam, 		•	Hamburg,
	• Bilbao,		•	Trieste,
seaports'	• Trieste,		•	Barcelona,
relative efficiency,	 Goteborg, 		•	Felixstowe,
Maritime	• Dublin,		•	Thamesport,
Economics and	• Helsinki,		•	Thessaloniki,
Logistics, 13, 121-	 Liverpool, 		•	Bilbao,
141.	Cagliari,		•	Goteborg,
doi:10.1057/mel.2	Piraeus,		•	Piraeus,
011.1	 Felixstowe, 	Spearman's correlation test:	•	Bari,
	 Thamesport, 		•	Salerno
	• Bari,		•	Liverpool,
	• Salerno,	0,38	•	Cagliari,
	 Barcelona, 		•	Helsinki,
	 Taranto, 		•	Dublin,
	Thessaloniki		•	Amsterdam

Bottom line

- When defining a set of port performance indicators, identifying and taking into account environmental elements would avoid that key elements in the final outcome are actually lost in the process and, thus, not taken into account in policy decisions.
- This would lead to under-evaluation of "physical and institutional bottlenecks" to port performance.
- A process approach should be adopted.