UNCTAD

Ad Hoc Expert Meeting on Assessing Port Performance

Room XXVI Palais des Nations Geneva, Switzerland

12 December 2012

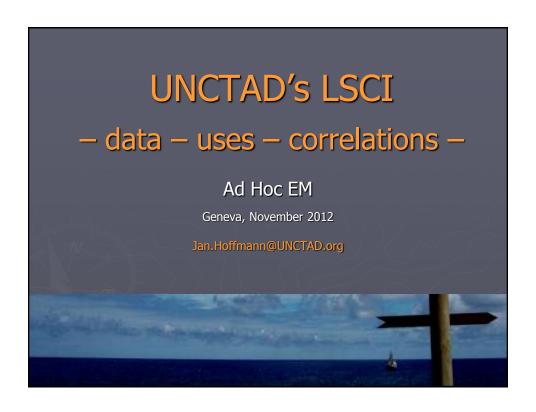
UNCTAD's LSCI

- data - uses - correlations -

by

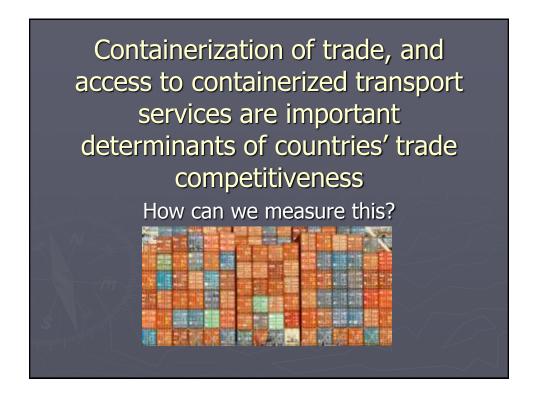
Mr. Jan Hoffmann Chief, Trade Facilitation Section Trade Logistics Branch, UNCTAD

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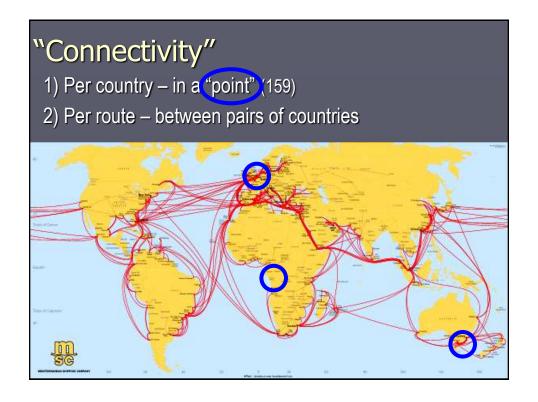


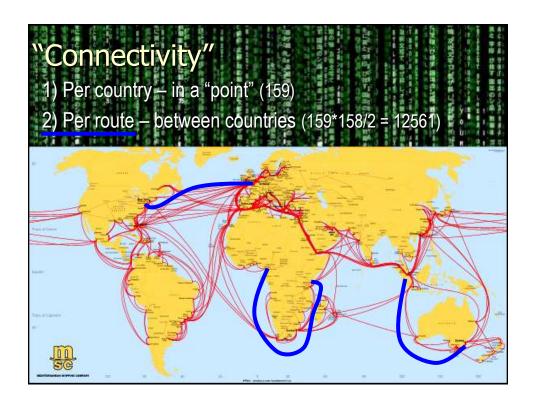






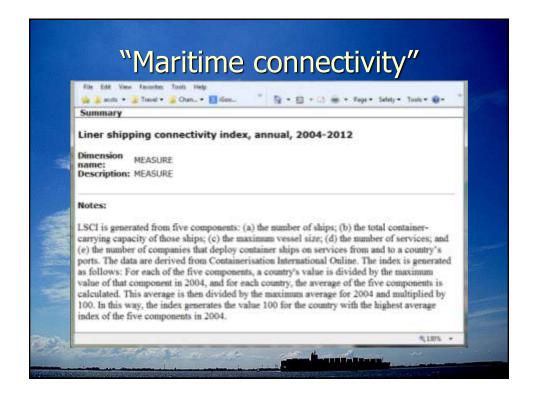
"Connectivity" 1) Per country – in a "point" 2) Per route – between pairs of countries



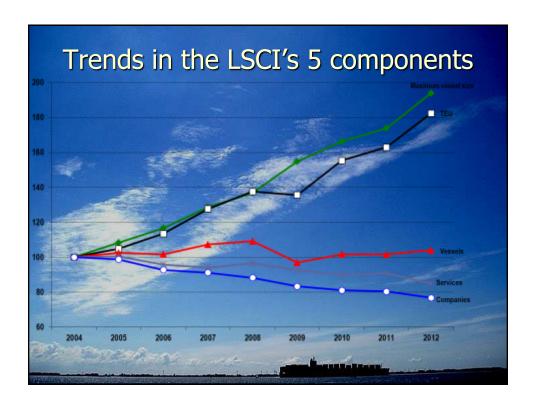


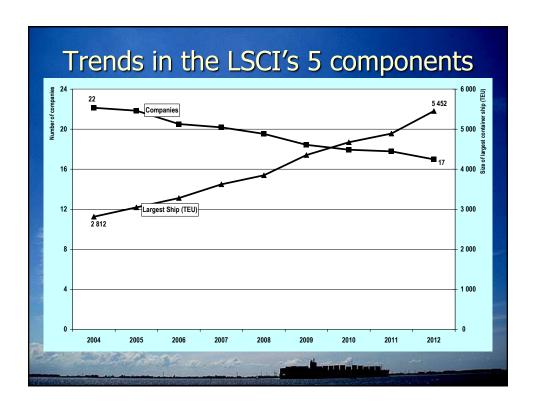
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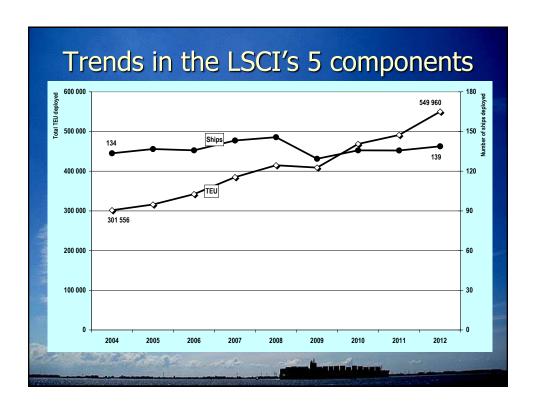


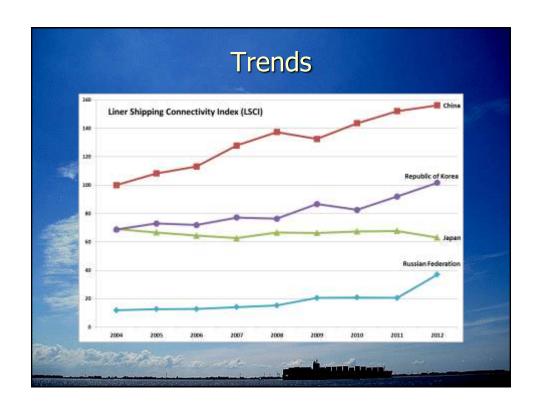


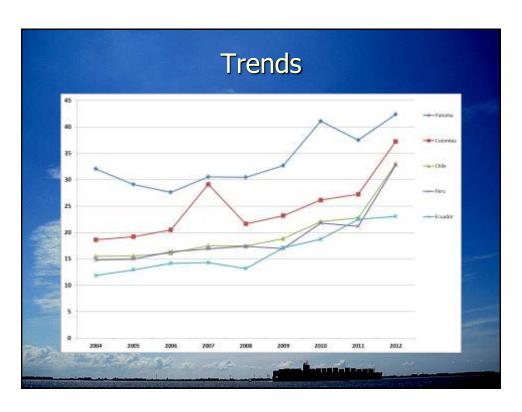




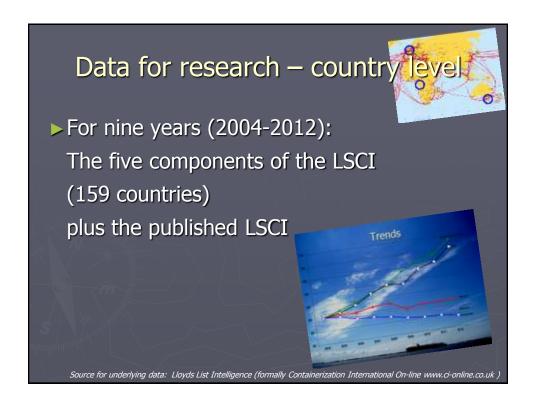


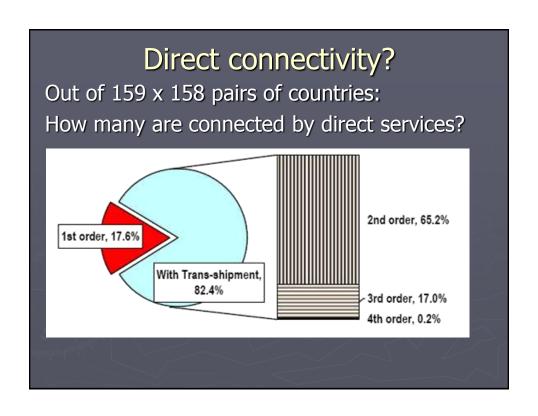


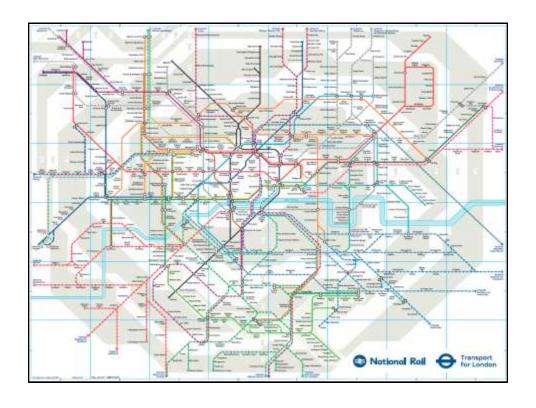












Data for research – country level

- ► The number of trading partners with which a country has direct shipping connections
- ► The number of trading partners with which a country has connections that require one / two / three transhipment.

Data for research — the Matrix

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► Four components of the LSCI (all except number of services) per pair of country (12561 pairs)

Data for research – the Matrix

For each pair of coastal countries:
 The maritime distance between the major container ports.

Generated by UNCTAD based on purchased data on maritime distances





What can we do with this data



What can we do with this data

- 1. Observe <u>trends</u> in the shipping network, levels of competition, and individual countries' access to liner shipping services.
- 2. Use the data as <u>explanatory variable</u> in gravity models, or for models about transport costs and trade competitiveness.

What can we do with this data

- 1. Observe <u>trends</u> in the shipping network, levels of competition, and individual countries' access to liner shipping services.
- 2. Use the data as <u>explanatory variable</u> in gravity models. Use the data as explanatory variable for other models about transport costs and trade competitiveness
- Try to explain the data, i.e. what are the determinants of "connectivity"
 (development, trade volumes, geography, port performance...)

