

Performance of the maritime supply chain: connecting the dots

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Ad hoc expert meeting: Measuring connectivity and performance: the need for
statistics and data

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Overview

- Maritime supply chain: fragmentation with traditional focus on performance of silos
- Performance of each silo has improved
- The new frontier for performance of maritime supply chain: where one silo meets another
- Need to go towards more holistic performance measurement of maritime supply chain
- How to achieve this?



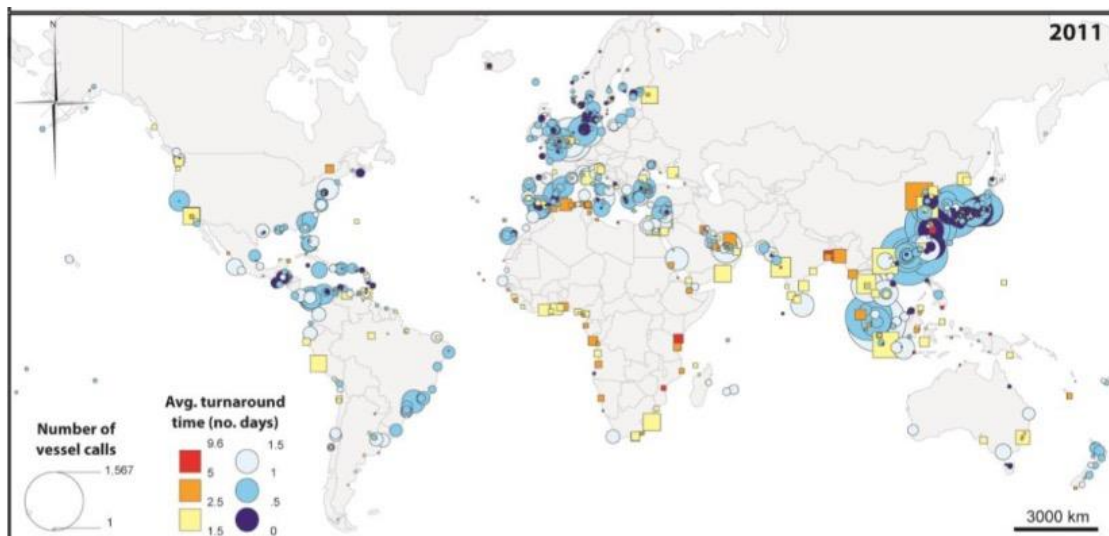
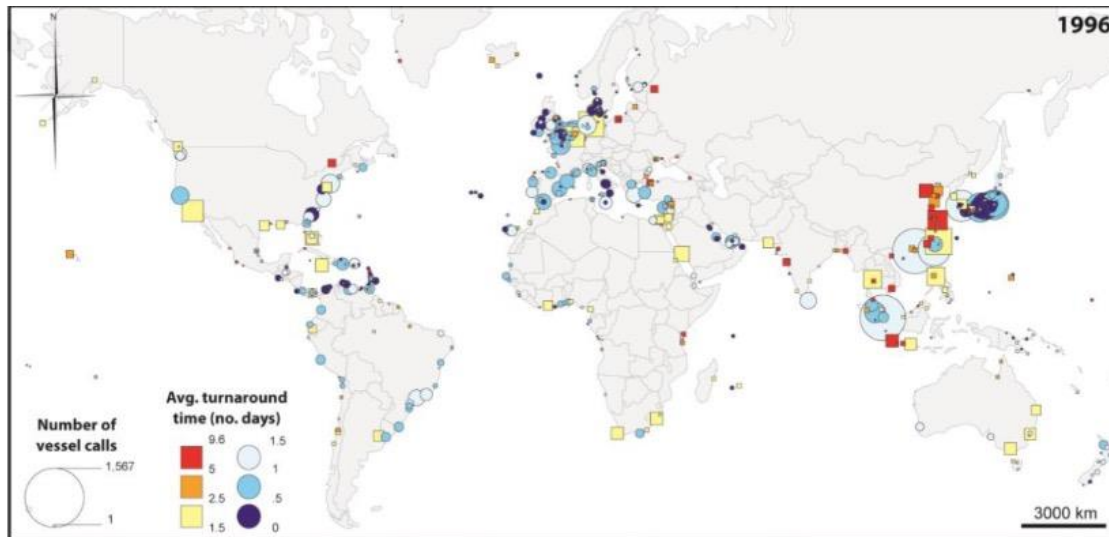
Traditional focus on the performance of silos

Indicator	Unit covered	By whom?
Liner shipping connectivity	Country/ports	UNCTAD
Berth productivity	Ports/terminals	JOC
Schedule reliability shipping	Carriers	Drewry, SeaIntel
Quay line/land productivity	Terminals	Drewry
Carbon emissions	Container carriers	Clean Cargo WG

The above list contains comparative and consecutive studies
In addition: a wide range of studies limited in time and place



Performance of each silo has improved



New frontier: where one silo meets another

Indicator	Solution	Needs collaboration of:
Ship waiting time	Coordinated port services	Carrier, terminal operator, pilots, towage
Unproductive moves	Better stowage planning	Carrier, terminal operator
Dwell time	Trade facilitation	Shipper, carrier, customs, inspections
Truck waiting time	Gate planning	Terminal, port, logistics, trucking company
Barge waiting time	Coordinated port services	Terminal, carrier, barge operator
Transshipment delays	Yard planning	Carrier, terminal

Towards more holistic performance measures

Indicator	By whom	Elements
Logistics Performance Index	World Bank	Customs Infrastructure International shipments Logistics competence Tracking & tracing Timeliness
Enabling Trade Index	World Economic Forum	Market index Border administration Infrastructure

Need to expand and refine: move beyond perceptions, assess outputs not inputs, performance of silos and where these silos meet



How to achieve this?

- Partly possible by mining existing data sources
- Digitalisation of supply chains could make such measurement only more pertinent
- Cooperation of main stakeholders necessary to measure these new indicators
- Key issue at roundtable of maritime stakeholders “Governance of the Maritime Supply Chain” during ITF Summit, 31 May-2 June 2017, Leipzig, Germany



Thank you!

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