

# Mega-ships: do the benefits outweigh the costs to the transport chain?

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Vancouver, Canada



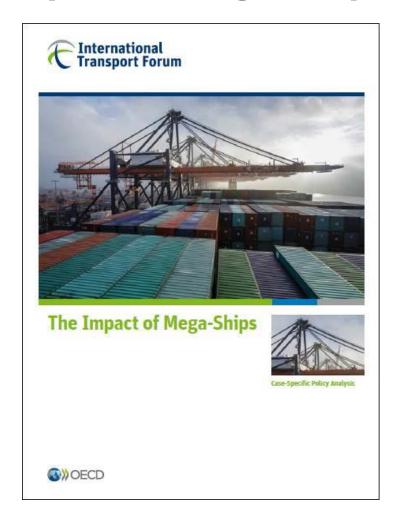


# Big is beautiful?

- Bigger ships
- Bigger costs, peaks, risks
- Bigger shipping lines
- Bigger ports and terminals
- Always bigger?

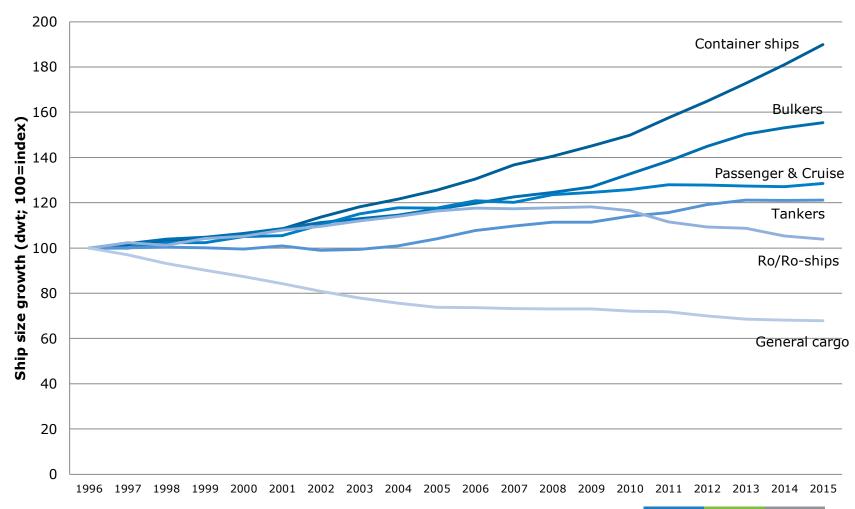


# "The Impact of Mega-Ships" Report



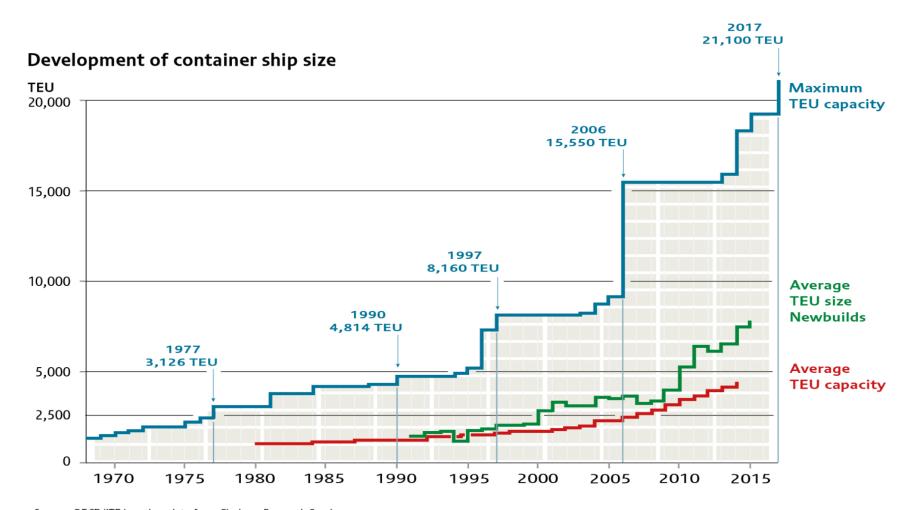


# **Bigger ships**





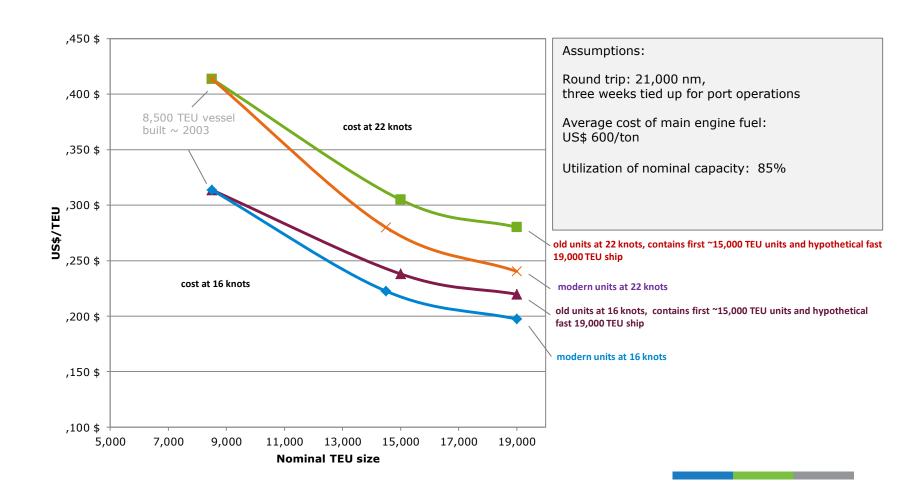
# **Bigger container ships**



Source: OECD/ITF based on data from Clarkson Research Services

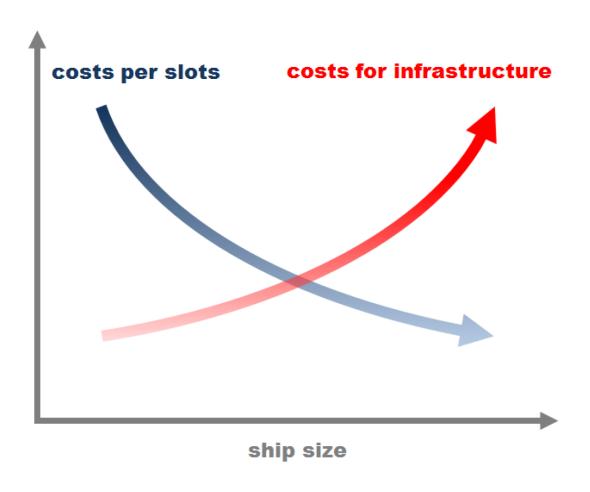


# Cost savings for shipping lines





# Bigger costs for the transport chain









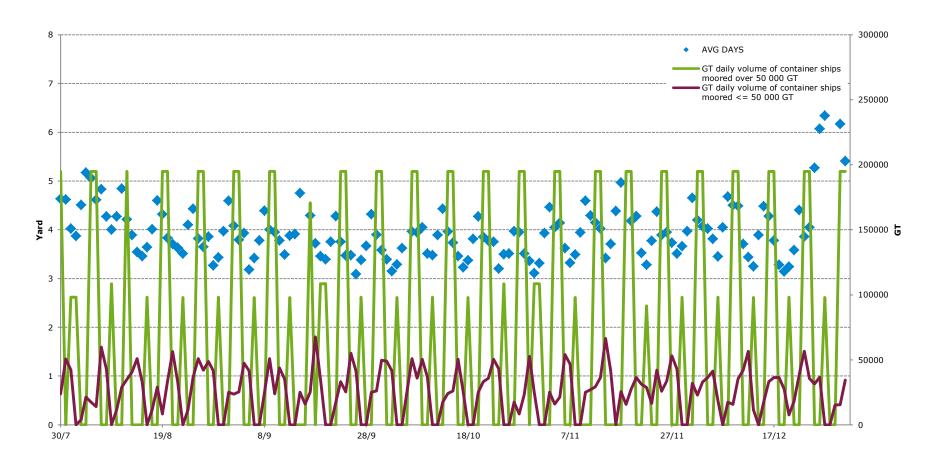






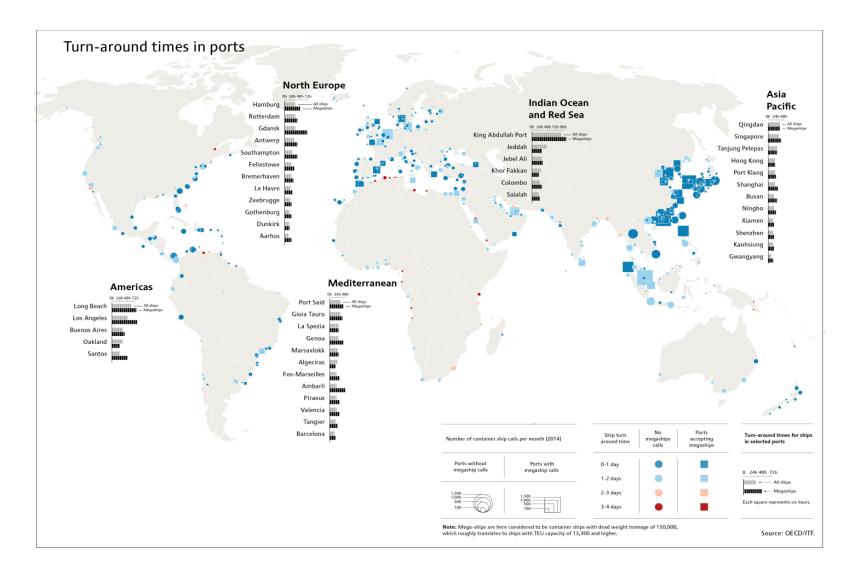


# **Bigger peaks**



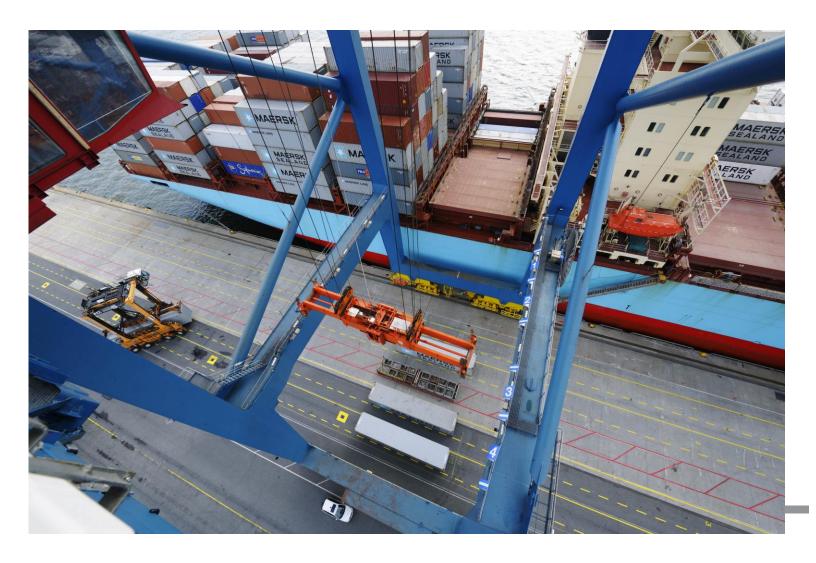


## **Pressure on terminals**



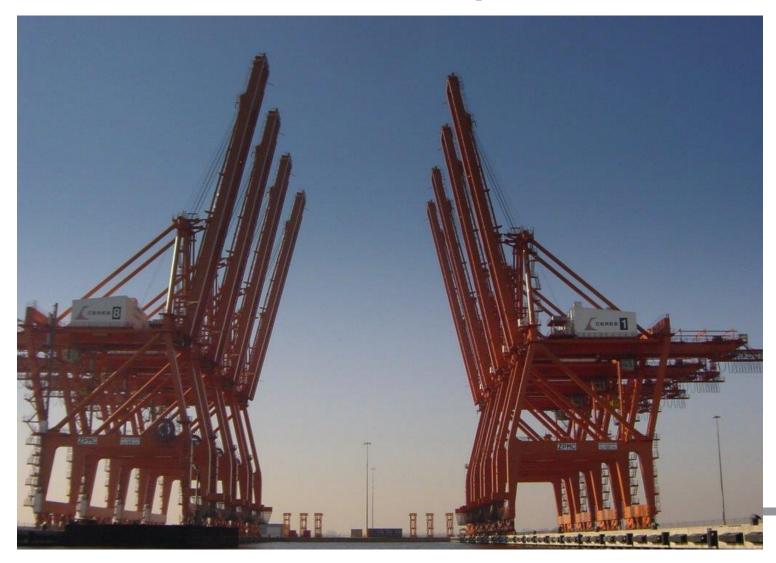


# **Bigger** is not faster



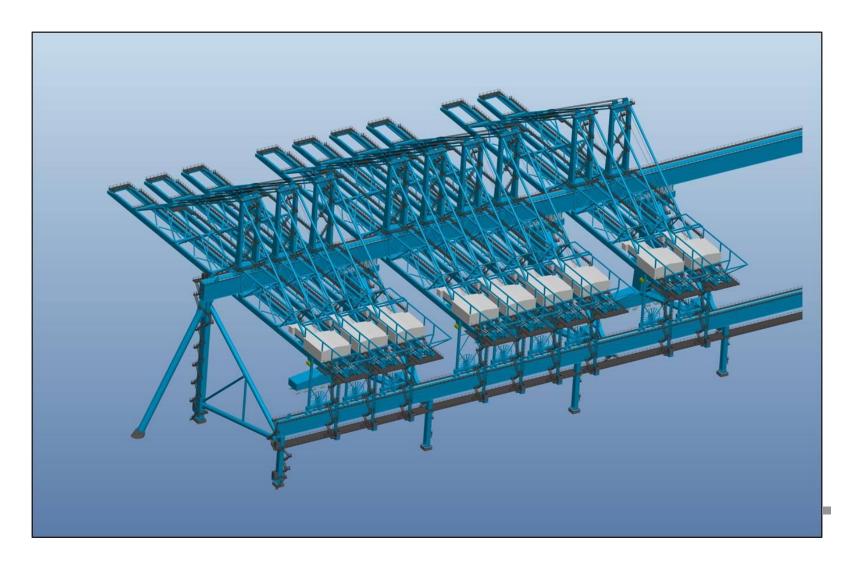


# **How much faster is possible?**



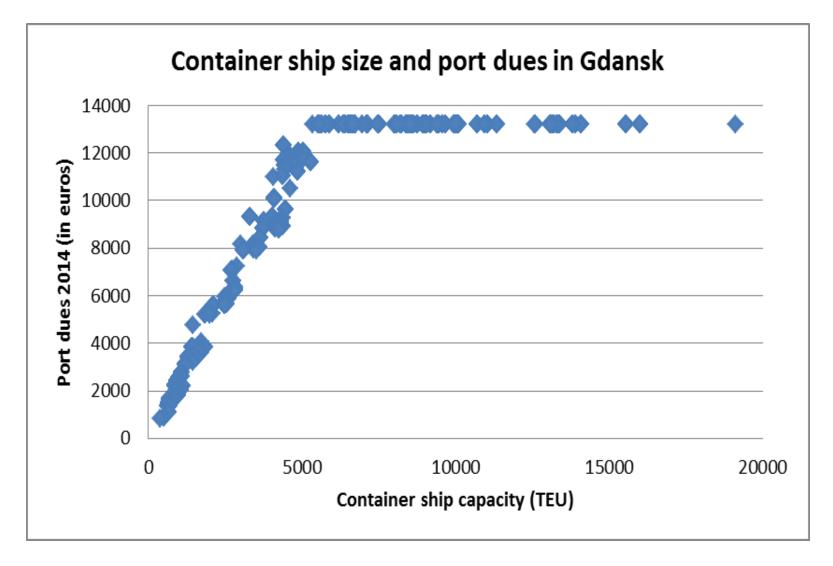


# How much faster is possible?





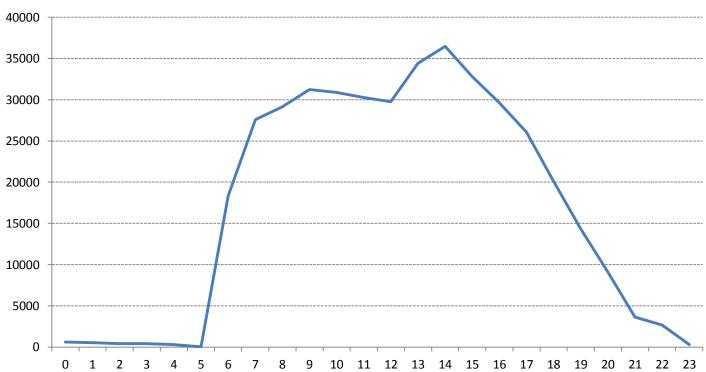
# Who is going to pay?





# **More flexibility**

## Container arrivals/departures by road transport per hour of day in 2014







# **Bigger risks**





# **Bigger risks**





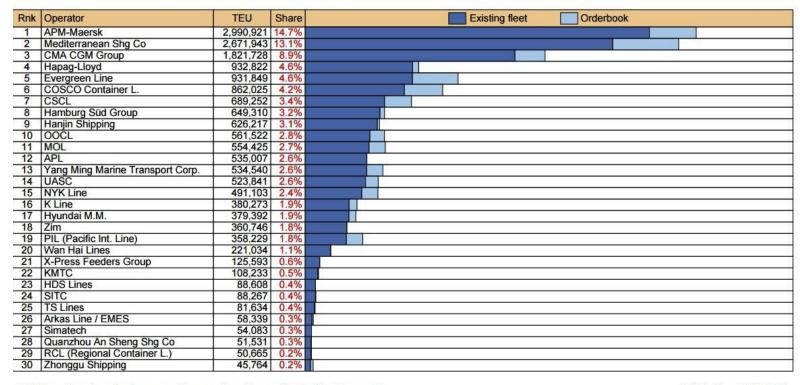
# **Bigger container shipping lines**

### Alphaliner - TOP 100

Operated fleets as per 14 January 2016

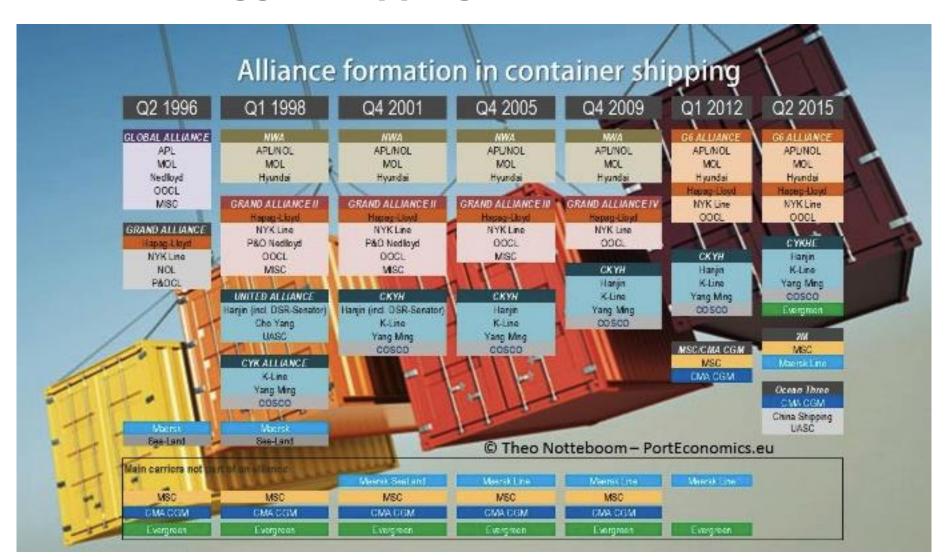
#### THE TOP 100 LEAGUE

- > The percentage shown on the left of each bar represents the operator's share of the world liner fleet in TEU terms.
- > The light coloured bar on the right represents the current orderbook (firm orders).



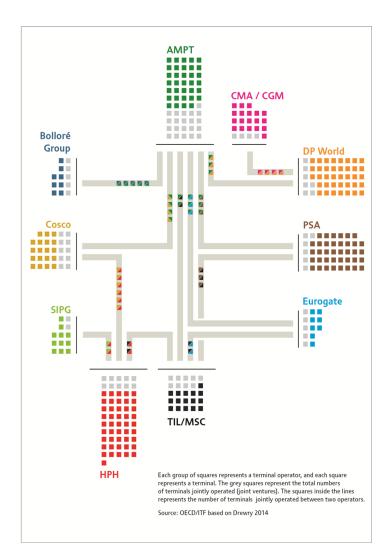


# Bigger shipping lines: alliances



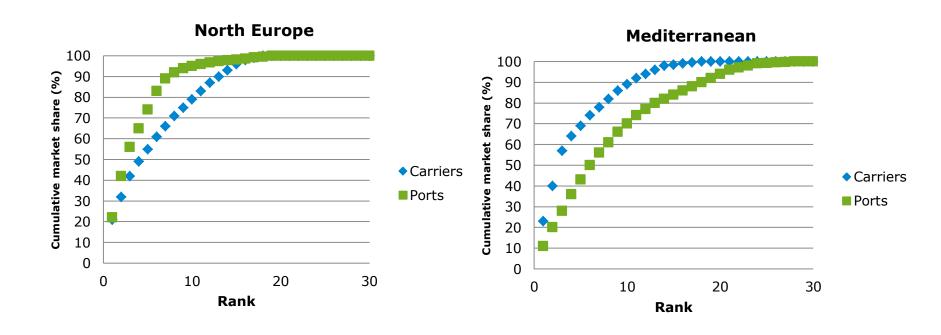


# Bigger terminals: alliances of terminals



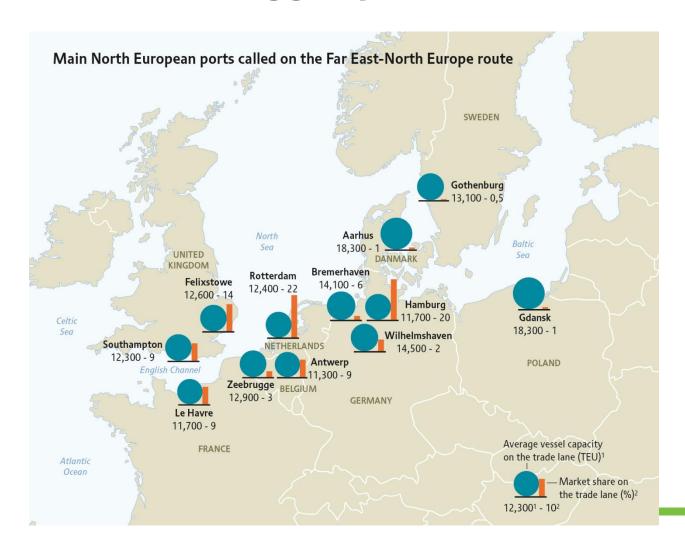


# **Need for bigger ports?**



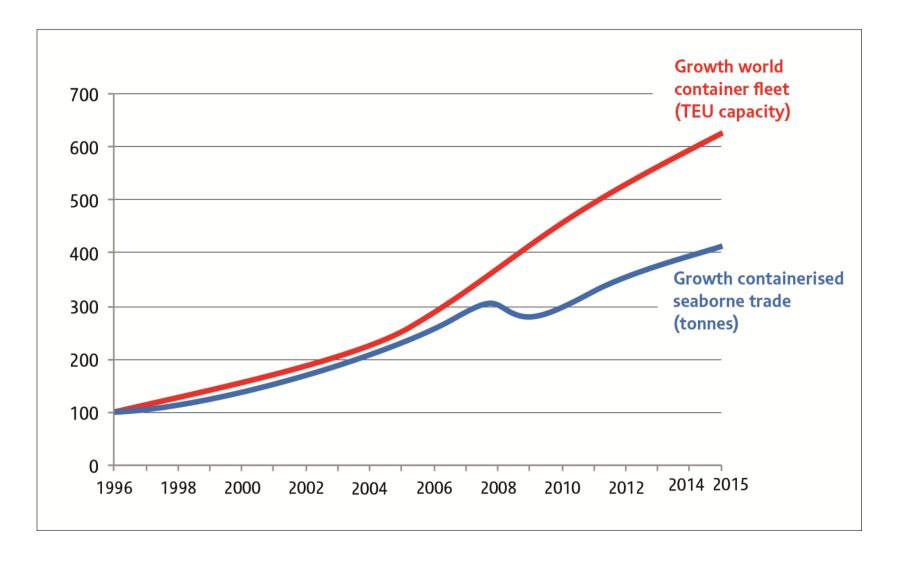


# **Bigger ports**



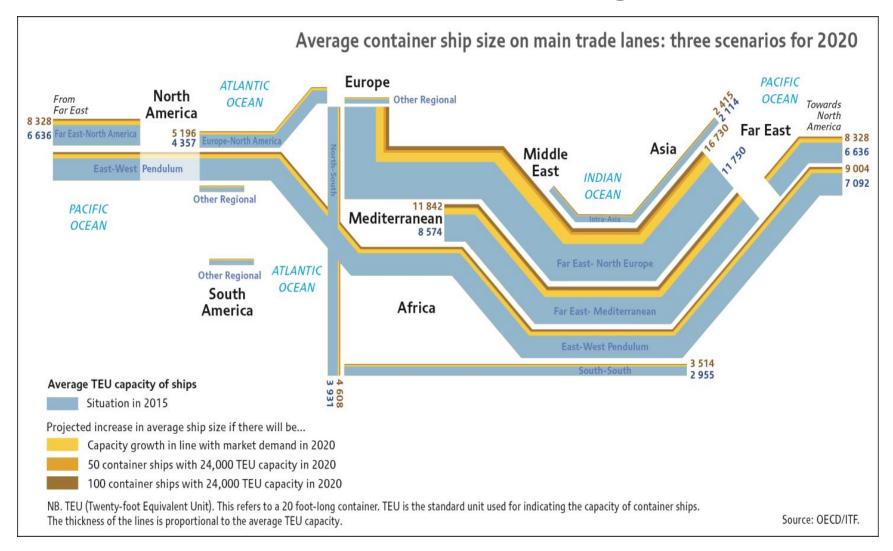


# Can the ships be filled?





# Where are we heading?





## **Cascade effects**

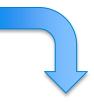




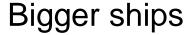
# Big, bigger, biggest: vicious circle?



Need to cut costs



Lower freight rates



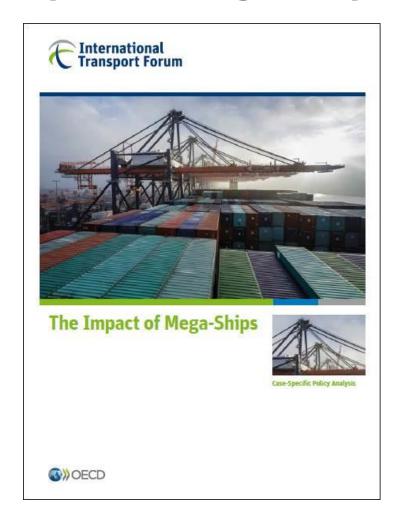


Overcapacity





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# Thank you!

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