



Alliance for  
Logistics Innovation  
through Collaboration  
in Europe

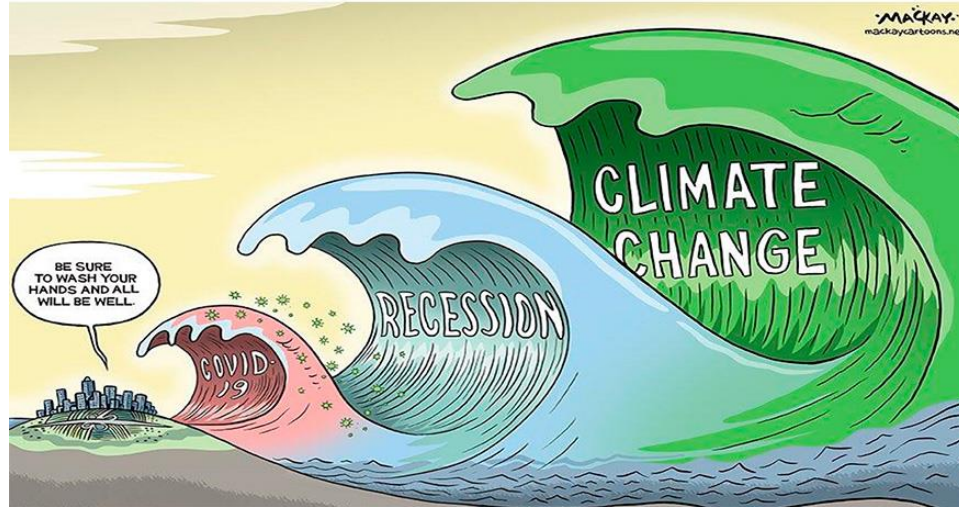
## **MOVING FREIGHT BY WATER: SUSTAINABLE INFRASTRUCTURE AND INNOVATIVE VESSELS – STANDARDIZED CARGO UNITS**

**A broader perspective, new constraints (and opportunities) because of autonomy and green initiatives**

Fernando Liesa

Secretary General ALICE

**8<sup>th</sup> November 2021**

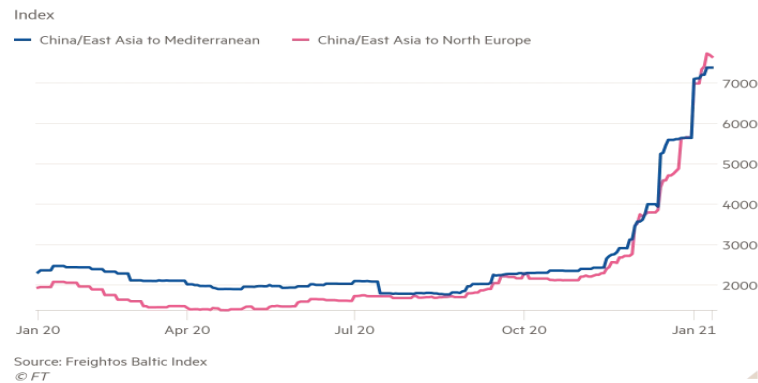


## Wanted: 80,000 truck drivers to help fix the supply chain


By Vanessa Yurkevich, CNN  
Updated 23:49 GMT (07:49 HKT) October 19, 2021



## Container freight rates & unbalanced flows



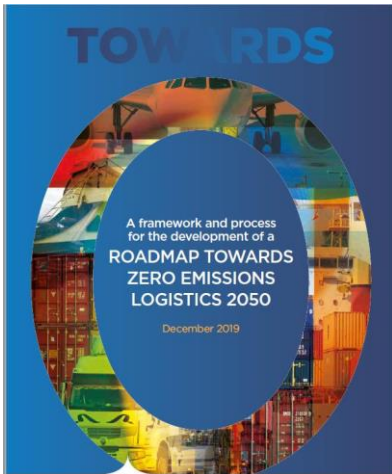
Where to find key opportunities?  
How to face continues disruptions?



Why do we  
think that the  
future must  
look the past?

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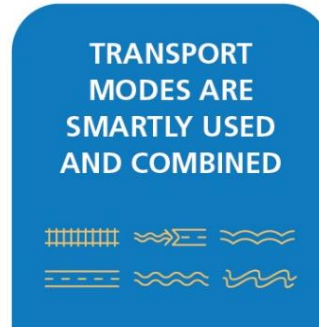




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FREIGHT DEMAND  
GROWTH IS  
MANAGED



TRANSPORT  
MODES ARE  
SMARTLY USED  
AND COMBINED



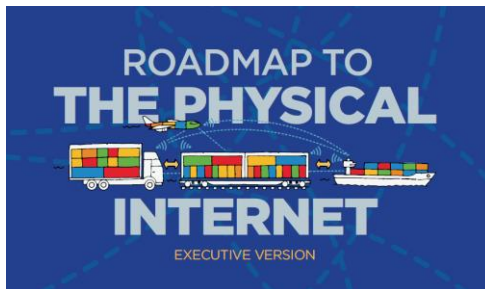
FLEETS AND  
ASSETS ARE  
SHARED AND  
USED TO THE MAX



FLEETS AND  
ASSETS ARE  
ENERGY EFFICIENT



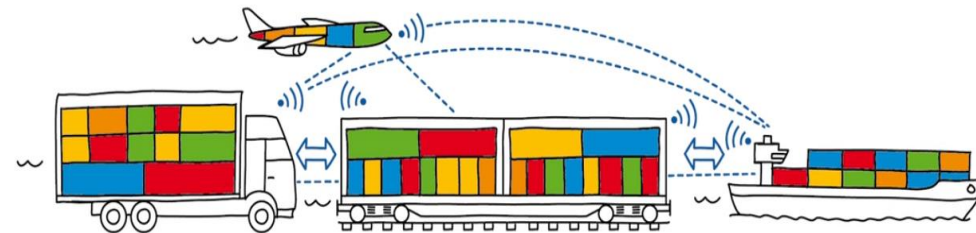
FLEETS AND ASSETS  
USE LOWEST  
EMISSIONS ENERGY  
SOURCE FEASIBLE



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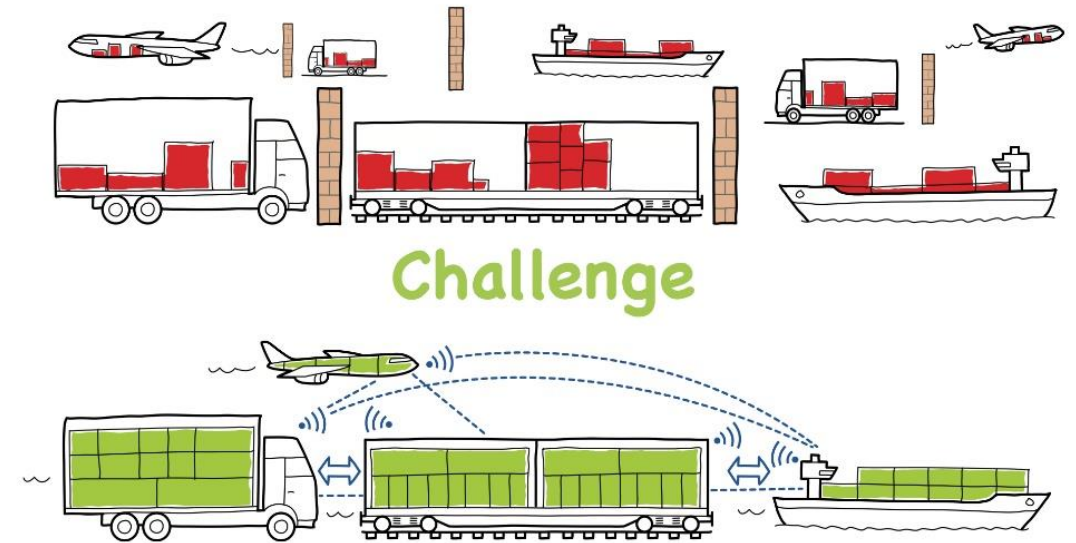
## THE PHYSICAL INTERNET

Interconnected logistics networks, sharing assets and capabilities



- Interoperable resources (vehicles, boxes, warehouse space, etc.) accessible and functional for different supply chains
- Multiple and interconnected (intermodal) transport links to re-route freight in case of disruptions
- Physical and Digital plug and play connectivity to systems and resources

→ Collaboration made it easy



Working on digital and physical interoperability



The Physical Interconnectivity:

- Autonomy and economies of scale
- Flexibility of fleets
- Easy/low threshold access

Are current loading units enough?

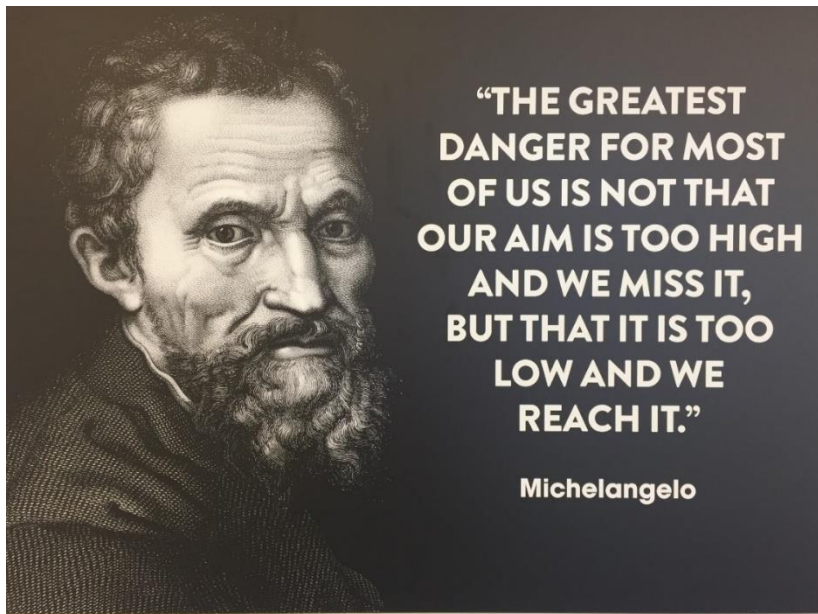
The Digital Interconnectivity:

- Autonomy and economies of scale
- Matching platform
- Easy/low threshold access



The link with other modes and experiences:

- NMLU
- Transshipment



“THE GREATEST  
DANGER FOR MOST  
OF US IS NOT THAT  
OUR AIM IS TOO HIGH  
AND WE MISS IT,  
BUT THAT IT IS TOO  
LOW AND WE  
REACH IT.”

Michelangelo

alice

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*Thank you!*

**The Best Way To Predict The Future Is To Create It!**

*Source: President Abraham Lincoln*



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*If you want to go fast, go alone If you want to go far, go together*

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