



# WCO TECH-CON

## Streamlining the maritime environment

*Co-operation & resilience in a port environment*

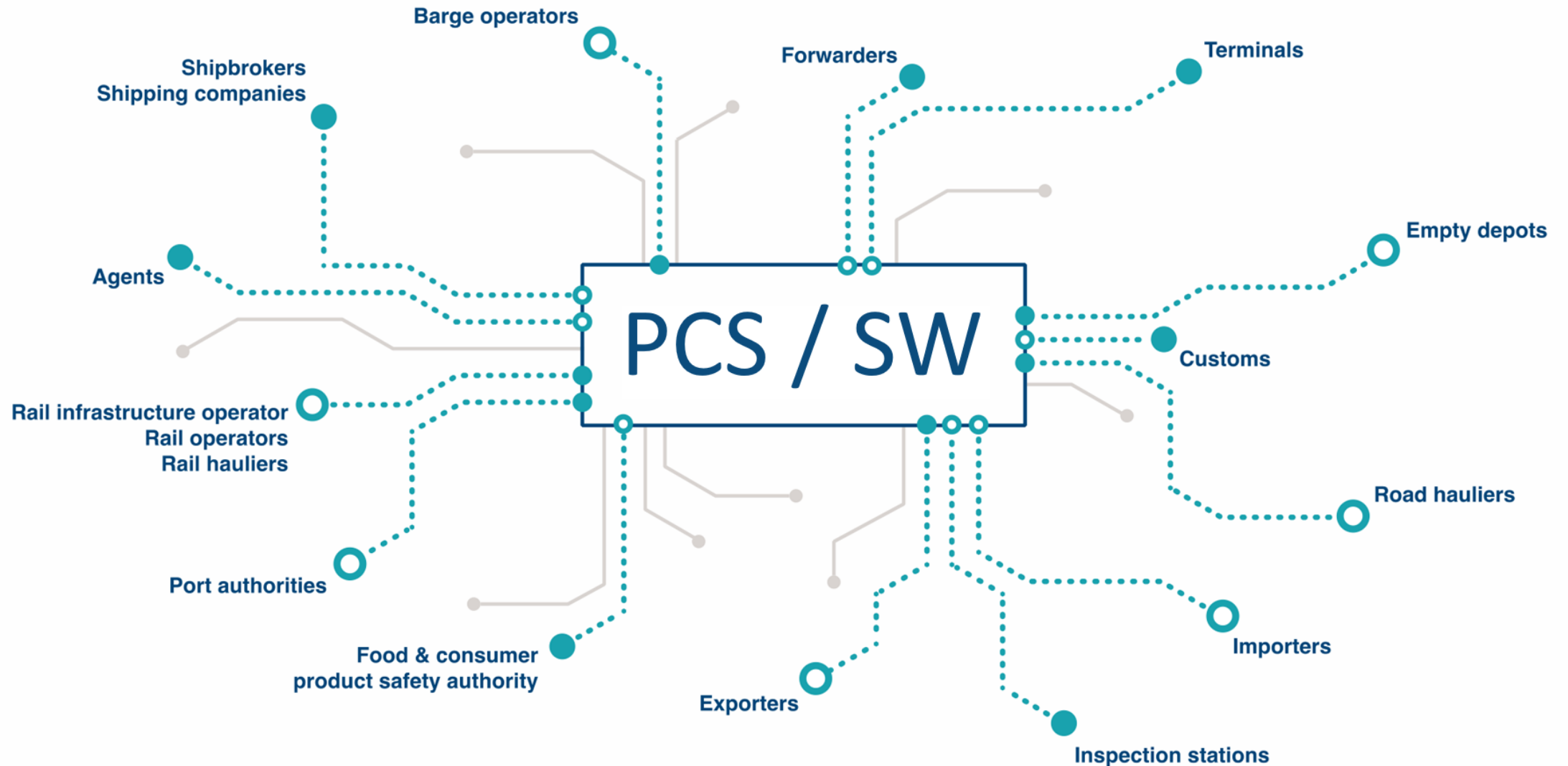
10 November 2021

# Ports become digital platforms



Port ecosystems need to make a leap in data sharing

# With Port Community System or Single Window environment: Connected ports



## Current situation

Connections and transit times not available.

Separate sources for deepsea, shortsea and inland connections.

Lack of transparency.

Leading to higher costs.

Multiple service providers available.

Hard to find hard to compare.

25% of all containers are shipped empty.

High costs and CO2 emissions.

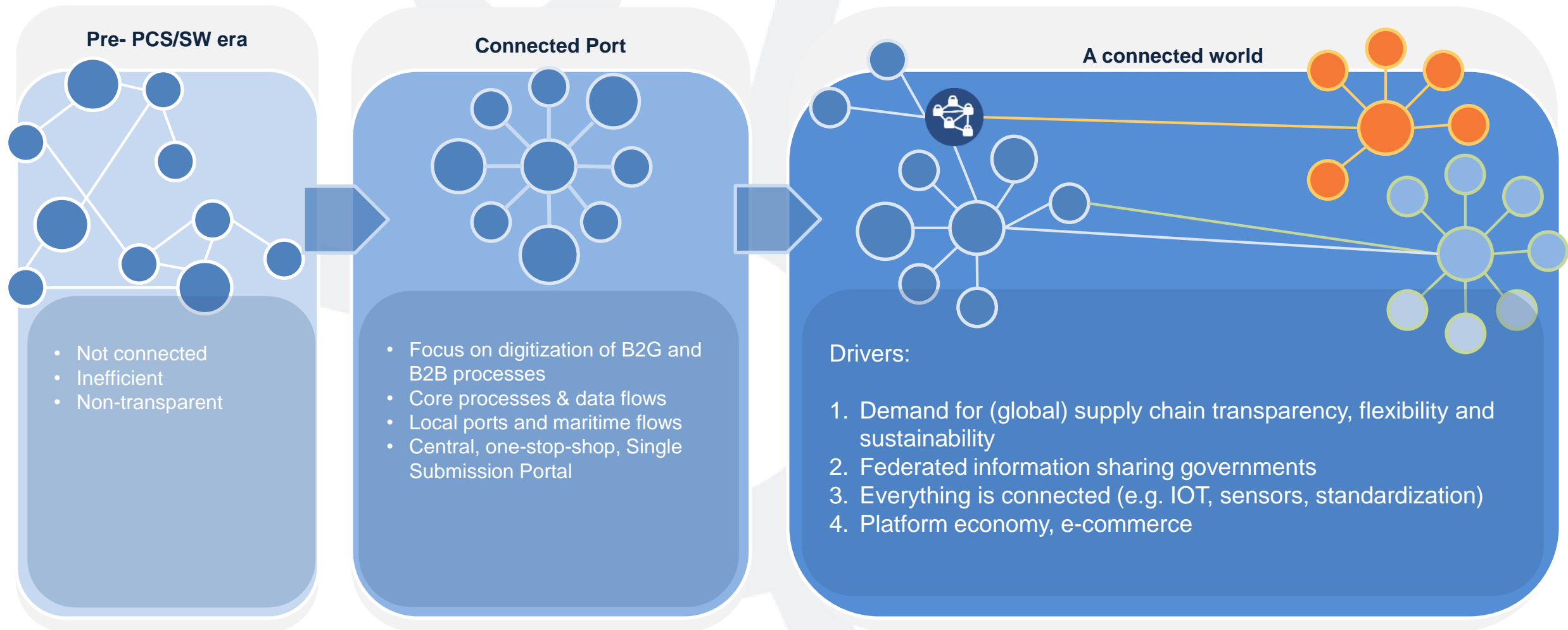
What are my options in my port of call?

Sea-side schedules? Inland network?

What footprint do connections have?

It's hard to plan sustainable connections.

# From core processes and data flows towards connecting to the global network



# Search & pick the right wave for change

**COVID-19**

**Drive for  
Security**

**Port  
Congestion**

**Brexit**

**Legislative  
changes**



# COVID-19 pandemic impacts / lessons

- Less resistance to change to new methods of working.
- Projects and initiatives involving digitalisation are now highest priorities.
- More support from the government and digitalisation of processes in the supply chain, particularly administrative ones.
- Remote work of employees can be more productive.
- Remote operations of business systems (PCS, SW, ...) is critical for business continuity.
- Video conference and online meetings are useful tools as a substitute to face to face meetings.

# PCS/SW as a facilitator for co-operation and resilience

- How can digitalisation and involvement of a PCS or Single Window environment help?
  - In general, ports with mature digitalisation rate suffer less from “external influences” (COVID-19, Suez blockage, Hacking)
  - Over 50% of work of PCS operators involves stakeholder management, facilitating co-operation and understanding and changing processes
  - PCS and SW’s are able to implement standards for 1,000’s of companies at once
  - Very high cybersecurity standards and availability requirements
  - PCS functions as a backup system for systems of port users



# Thank you for your attention!



10 YEARS OF COLLABORATING  
WITH THE GLOBAL COMMUNITY



Please feel  
free to  
provide  
feedback



Mees van der Wiel