

# What role can digitalisation play in the RFCs?

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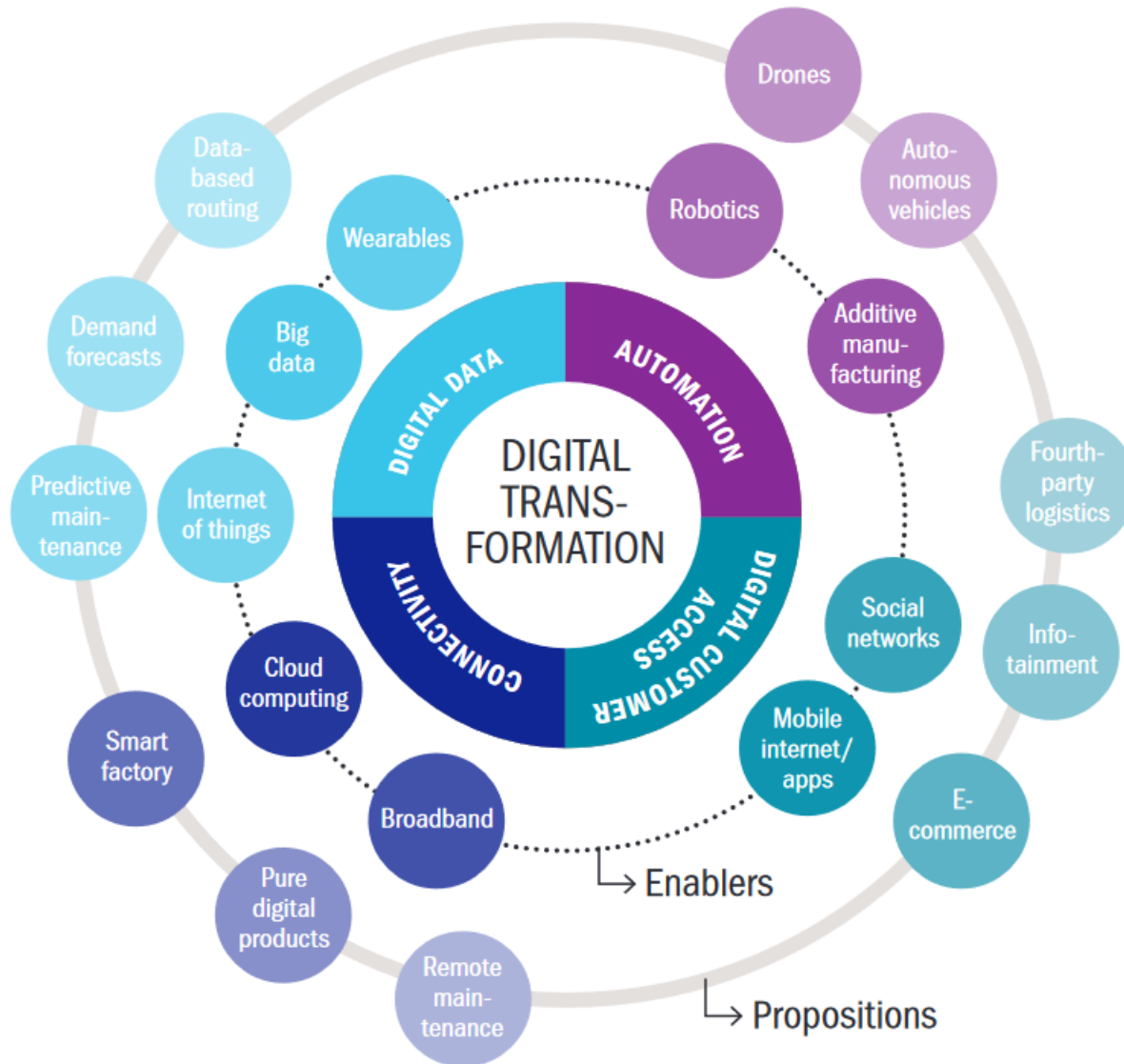


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# Levers for a digital transformation



Source: Roland Berger Consultancy (2015)

# Digitalisation of the Belgian rail network



Smart Railway developed by Infrabel

- Digitalisation of infrastructure inspections
- Predictions of maintenance
- Digitalisation of the Belgian rail infrastructure by 2022
- Drones used for inspection of bridges

Source: Infrabel (2020)

# Facilitators and barriers of digital innovation



Actor capabilities  
Market demand  
The innovation champion profile  
Stimulating competition

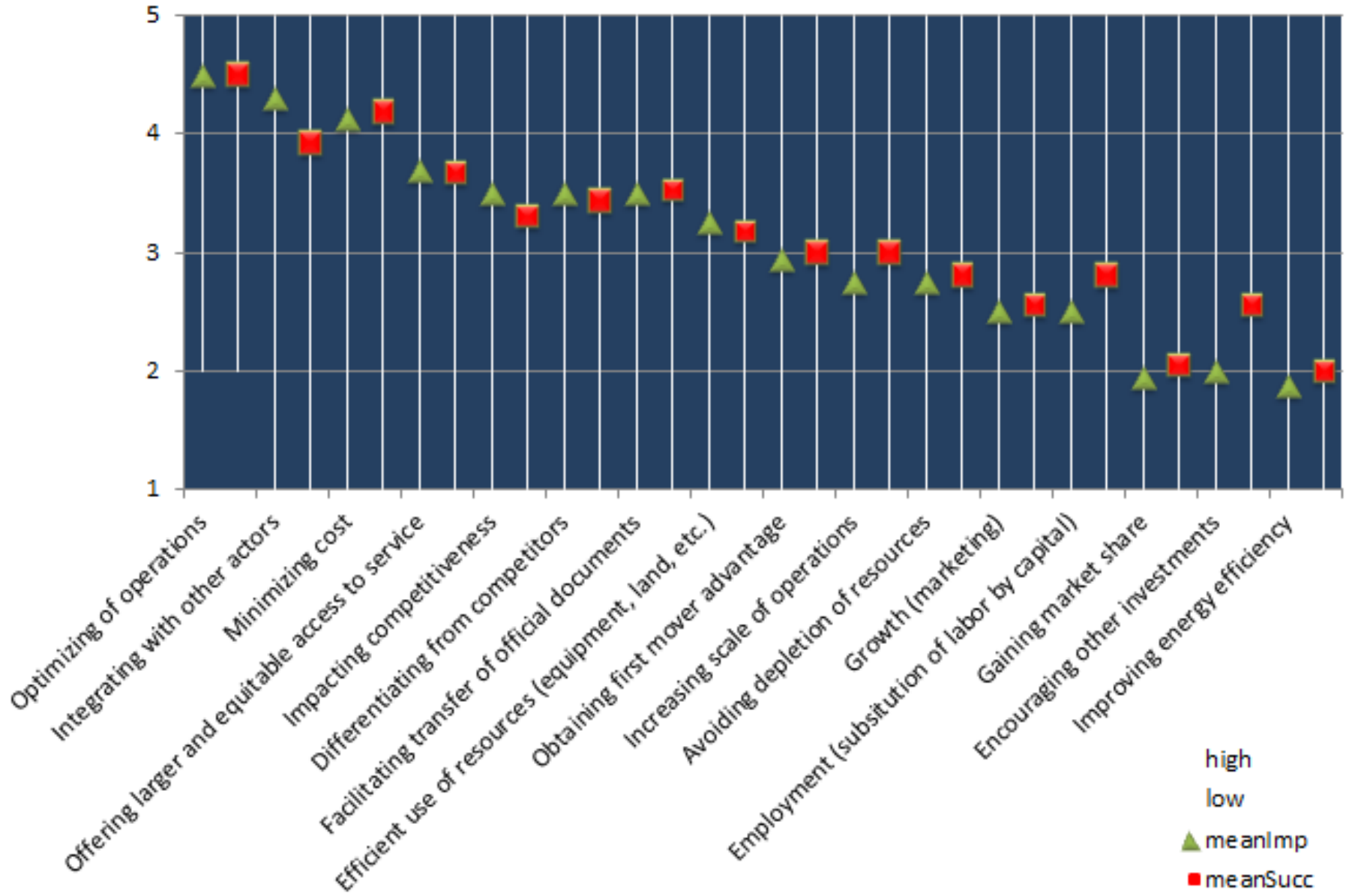
Benefits less visible than costs, so low willingness to pay  
Game theoretical perspective: no willingness to cooperate  
Mental shift needed

Standardisation?  
Regulation?



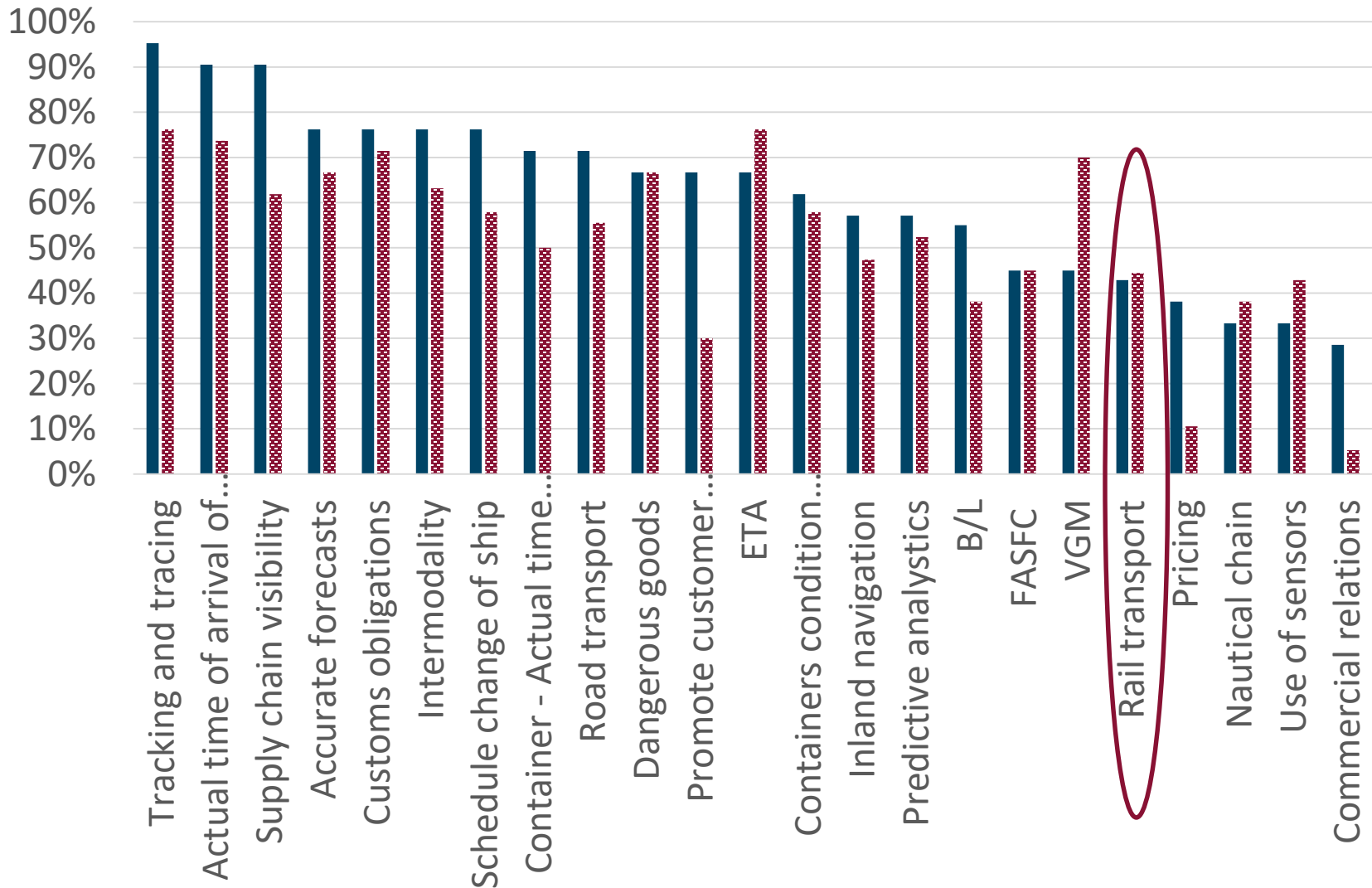
Source: Carlan et al. (2017)

# IT innovations in the maritime sector: profit driven



Source: Carlan et al. (2017)

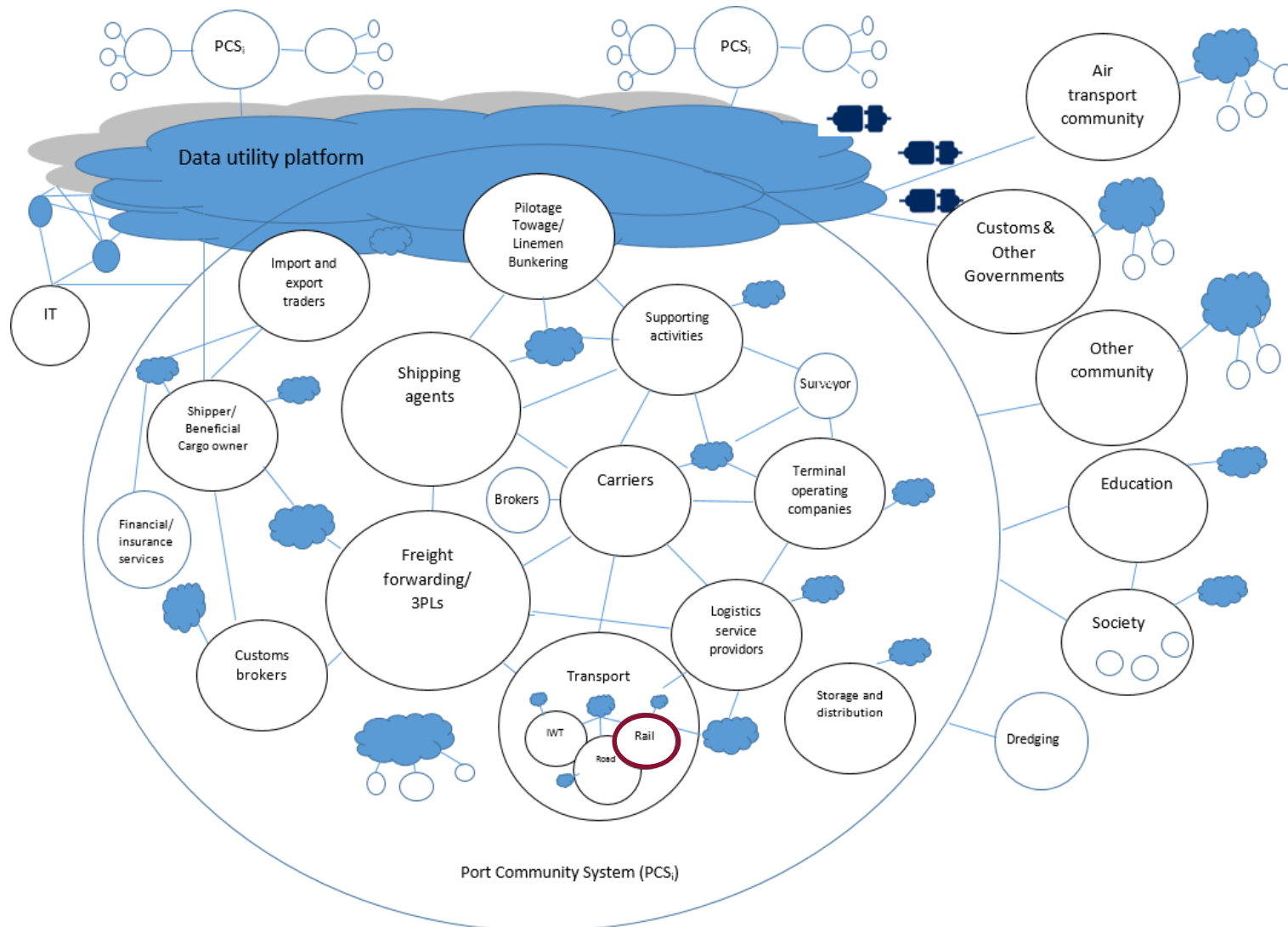
# Relevant data vs. willingness to share in the maritime sector



Source: Sys & Vanelslander (2020)

■ Receiving ■ Sharing

# Towards a transport ecosystem



Source: Sys & Vanelander (2020)



**Thank you for your attention!**

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