





Baltic Loop

Scenarios on efficient port operations and maritime transportation

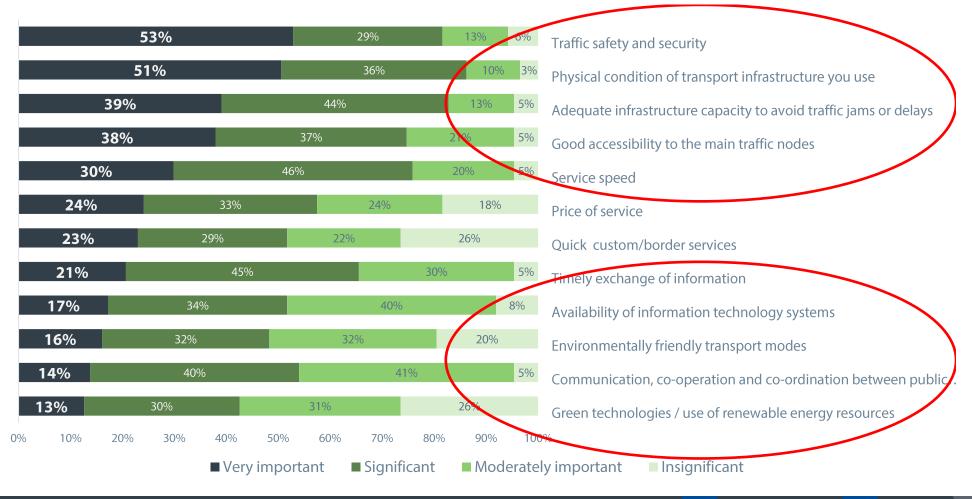


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How important are the following criteria to ensure your transport operations/services on the corridor?

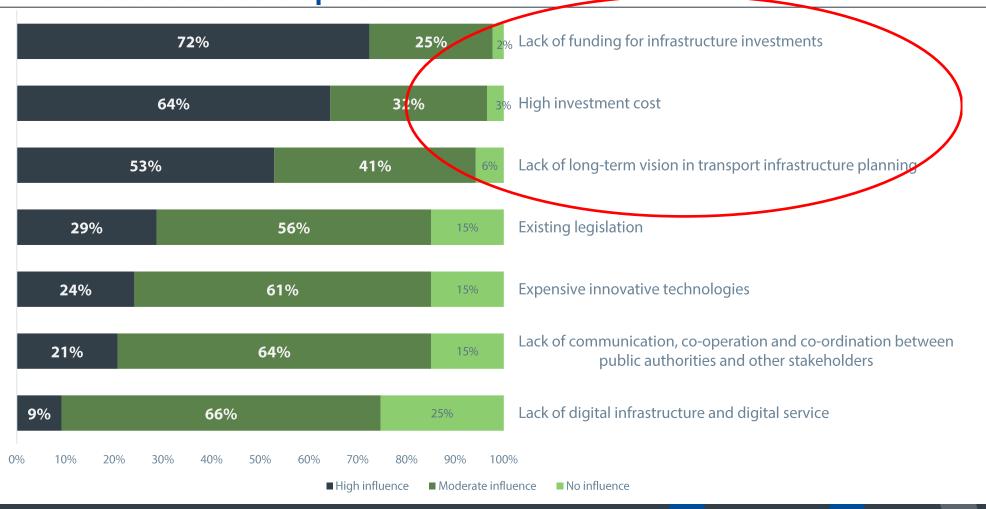






What are the main hindrances of transport infrastructure development?



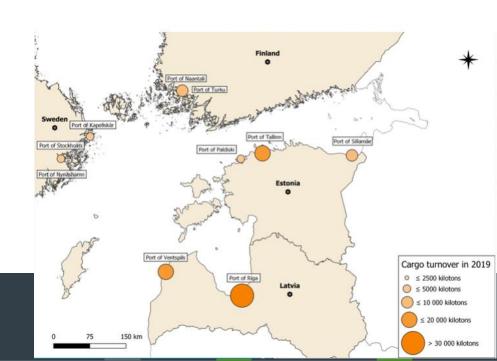








- The Baltic Sea is one of the busiest sea areas on global scale
- In 2019, the ports around the Baltic Sea ports handled a record overall cargo volume of 947 million tonnes.
- Baltic Sea overall trade growth 30% over the past 10 years
- > Effects of demographic development
- Short sea shipping (SSS) domination over deep sea
- Extensive growth of Russian ports' throughput







Inefficiencies in maritime transportation BSR

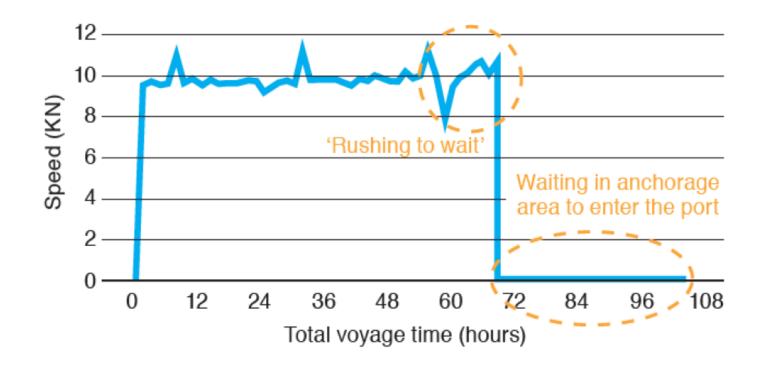
- Slow adaption of new information and communication technologies and measures to be become more operationally efficient and environmentally friendly
- Port parameter restrictions
- Lack of traffic management systems for heavy traffic (road)
- Condition of connective land infrastucture
- . Limited funding resources





Inefficiencies in maritime transportation BSR

Non-optimal speed profiles





Solutions – Smart Ports



FEATURES:



DIGITALISED

 Automated systems, ICT enhances efficiency and perfomance

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GREEN

Reduced CO₂ emissions



COLLABORATIVE

Enhances communication (visibility, transparency) among ecosystem actors

ACTIVITY DOMAINS:

CARGO OPERATIONS & TRAFFIC MANAGEMENT

- More efficient port operations
- Traffic optimisation at ship-shore interface
- Traffic optimisation towards hinterlands

SERVICES AND CO-OPERATION WITHIN THE ECOSYSTEM

 Services, collaboration and co-creation with stakeholders

INFRASTRUCTURE AND CONTINUITY MANAGEMENT

- Safety and (cyber) security
- Connectivity 5G
- Sustainability and energy efficiency

Source: M.Heikkilä/UTU





www.balticloop.eu

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Thank you for your attention!

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