

MISES

Virtual Workshop (Focus Group)
on user needs and requirements

Matchmaking Logistics Platform

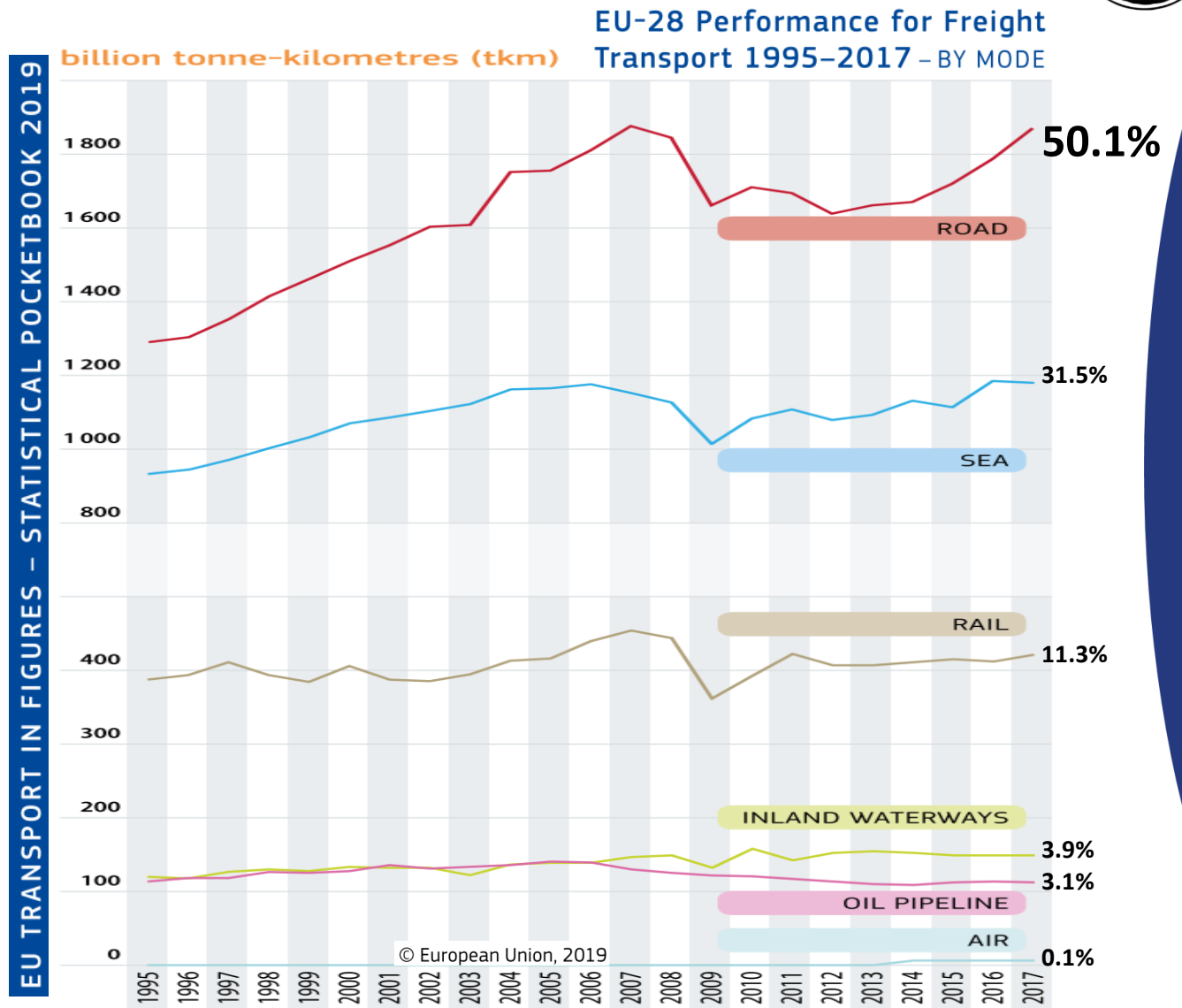


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EU Freight Transport Modal Split



Road haulage (i.e. trucking) accounts for half of the total freight transport market share.





EU Freight Transport Modal Shift

Road haulage (i.e. trucking)

- infrastructure damage, traffic accidents, noise;
- highway congestion;
- air pollution, high energy consumption;
- + competitive market.

Sea transport (i.e. Short Sea Shipping)

- + availability of sufficient corridor capacity;
- + environmentally friendly (optimised vessels and port operations);
- inefficient, inflexible.

[Suarez2015]



Short Sea Shipping Barriers

Service Quality

- low frequency;
- low reliability;
- long lead times;
- cargo handling costs;
- poor hinterland connectivity;
- lack of (multimodal) integration;
- demand-supply volatility/imbalance.

Technical & Communication

- insufficient information available to users
- absence of integrated management systems
- lack of innovation and R&D activities
- incompatibility of equipment and ICT systems

[Gustafsson2016, Raza2020]



Matchmaking Logistics Platform

A digital marketplace that will receive information from port authorities/ shippers/freight forwarders and recommend optimal freight allocation/flows:

- Cargo consolidation
- Horizontal collaboration
- Empty container management
- Optimise operations and simulate scenarios

Matchmaking Logistics Platform



Q&A

- ? Which information-exchange and collaboration platforms and tools are you currently using?
- ? What has been preventing the adoption of such a system-wide information-exchange and collaboration platform?
- ? Would you be willing to share information with the matchmaking platform (e.g. container destinations, vessel schedules, rail schedules, truck visits, slot/load availability)?



MOSES

Thank you for your attention!



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