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Project Facts

Project Name:
MOSES (AutoMated Vessels and Supply Chain Optimisation for Sustainable Short SEa Shipping)

Project Duration:
36 months, starting on 1 July 2020

EU Funding:
8,122,150,00 €

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Consortium

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MOSES project has received funding from the European Union's Horizon 2020 research & innovation programme under grant agreement No. 861678. Content reflects only the authors' view and the Agency is not responsible for any use that may be made of the information it contains.

MOSES

AutoMated Vessels and Supply Chain Optimisation for Sustainable Short SEa Shipping

MOSES Matchmaking Platform

MOSES Matchmaking Platform

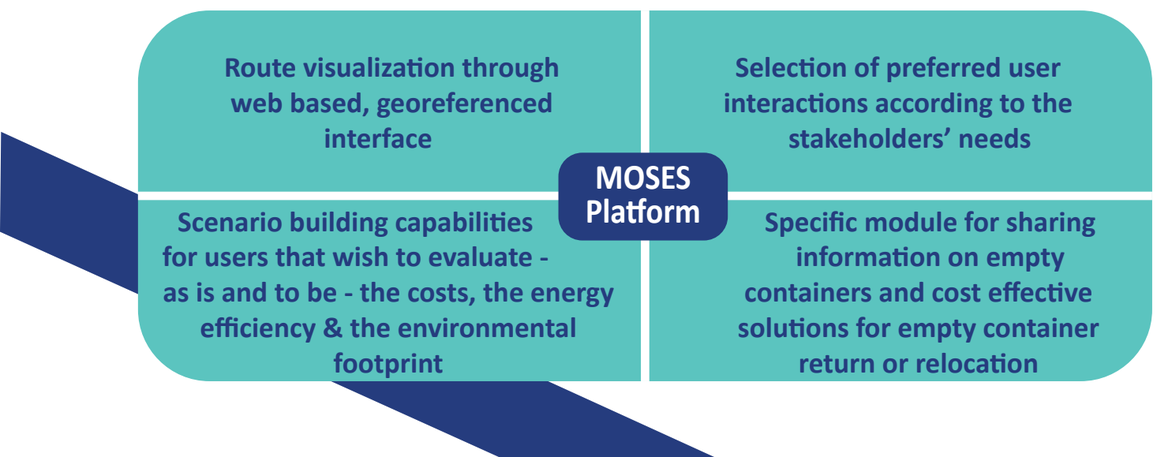
MOSES project aims to significantly **enhance the SSS component** of the European container supply chain through the optimization of logistics operations. A dedicated digital **collaboration and matchmaking platform** is developed (MOSES Platform), aiming to match demand and supply of cargo volumes by logistics stakeholders (shippers, forwarders, shipping lines, ports) using **Machine Learning** (ML) and **data-driven analysis** to maximize SSS traffic (availability of mode, cargo volumes, delivery times).

This is achieved by **increasing the visibility of the available SSS routes** and also **highlighting the advantages of using SSS routes** instead of land-based transportation. In general, the MOSES Platform allows the horizontal collaboration among logistics stakeholders, while, further to the capabilities that are already supported by current horizontal collaboration platforms, the MOSES Platform also considers water-based transport modes and SSS specificities.

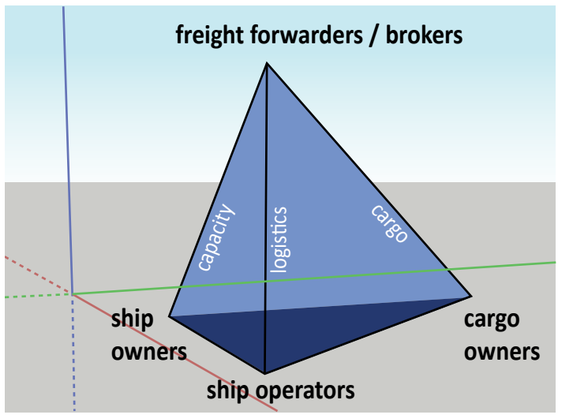
The MOSES Platform can enhance the logistics process through:

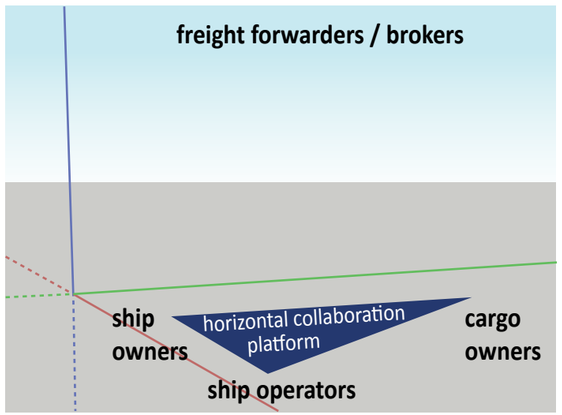
1. **Maximizing demand and enhancing SSS route usage**
2. **Clear mapping of B2B processes** within the entire supply chain
3. **Consolidating cargo flow** (at container level) through appropriate ML techniques
4. **Changing freight flows handling** and increasing the **cost effectiveness of partial cargo loads**
5. **Boosting last mile/just in time connections** among transport modes and backhaul traffic

MOSES Platform supports



Typical interactions among logistics stakeholders Vs Interactions using the MOSES platform





Automation of shipment process flow through the MOSES Platform