



EFFICIENTFLOW

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EUROPEAN UNION
European Regional Development Fund





Agenda

- Introduction EfficientFlow and STM
- Possibilities
- Conclusions and next step / future



EfficientFlow introducing and implementing STM

Sea Traffic Management the Concept

"Enable management of vessels, their voyage plans and the predictability in ports to jointly reach a more sustainable, efficient and safe shipping industry"

- How?
Digitalization of communication within and between ports and between ships and ports.
- Focus is on the sea voyage berth-to-berth and on services that can be offered in between.
- STM is a concept for information sharing in a standardized (independent on vendors) way

Mona Lisa project STM was defined
STM Validation STM was validated on 300 vessels and 13 ports across EU



EfficientFlow consists of two WP's

WP 1: Ports of Gävle (SE) and Rauma (FI)

- Port Call Coordination – Information sharing between port call actors

Enables:

- Port Call Synchronization – Communicate the readiness of the port to approaching vessels
- Development of Port Activity App

- Improvements for who? → Next slide....
- More efficient port calls.
- Just-in-Time arrivals of vessels – anchoring?

WP 2: Ferries/PPU*/VTS

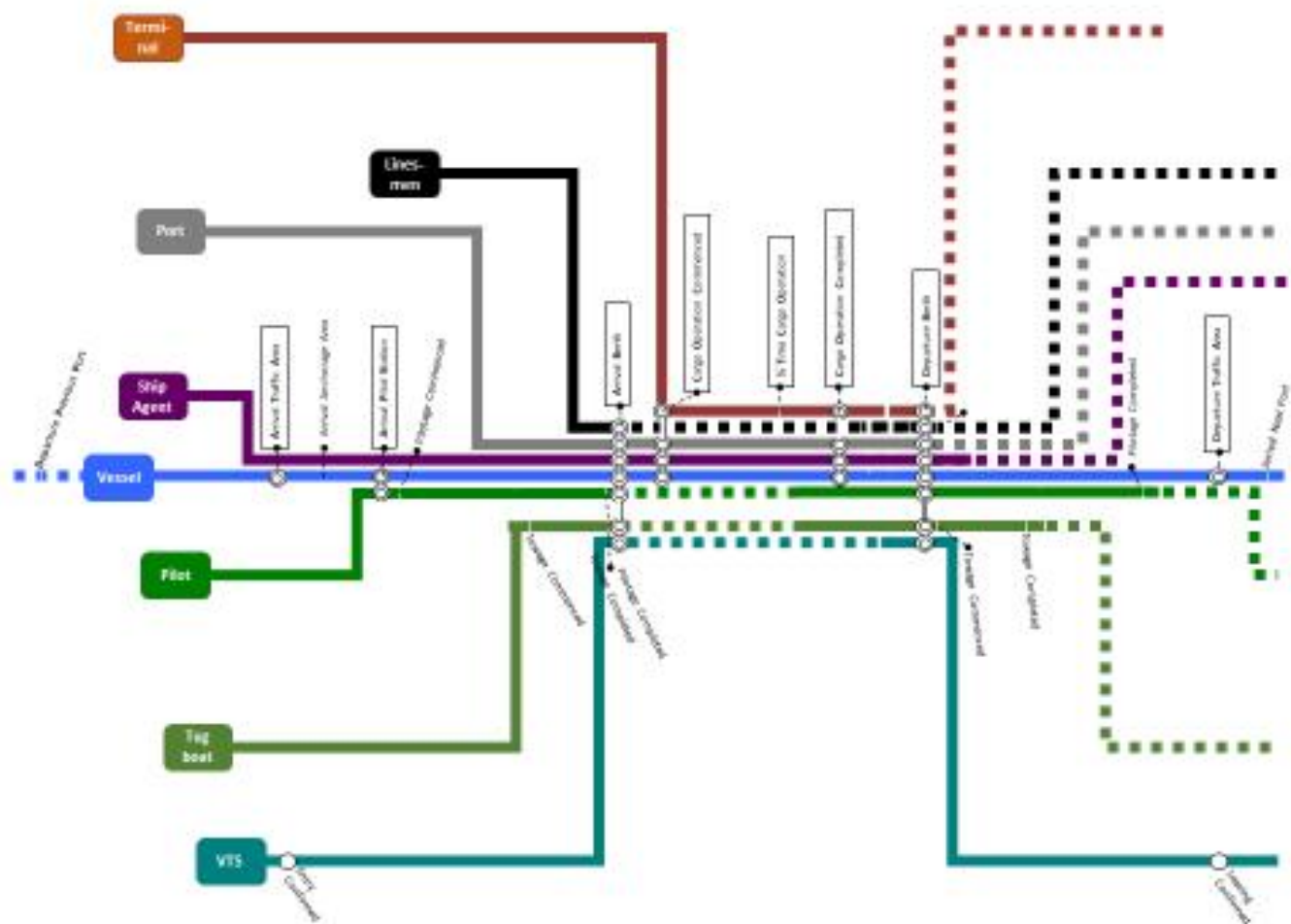
- Implementation of flow management services in Stockholm-Turku corridor
 - Optimizing route planning by sharing route-information between ship-shore and ship-ship.
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- Meeting point calculation to/from Stockholm/Turku
 - Improved safety, efficiency and assisting us to reach a better environment

*PPU = Pilot Portable Unit



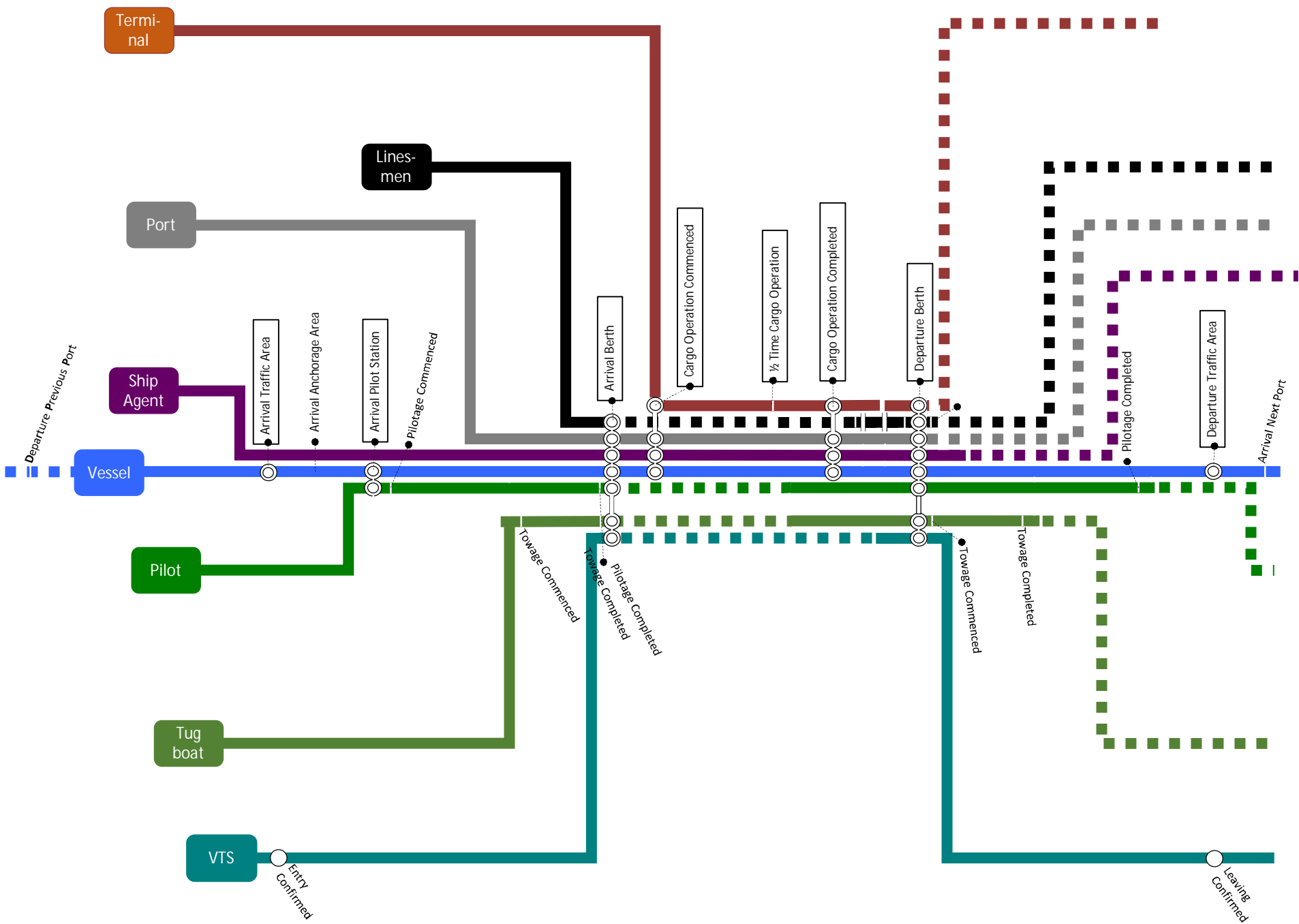
Port Activity App

Metromao: Timestamps that are shared between the port call actors.



Port Activity App

- Opensource-solution
- Enables sharing of timestamps between port call actors involved in the port call process of a vessel.
- Visualization of vessels port calls and the process steps that the vessel moves through
- Enables predictability and the usage of slottimes





Next step – the future



Kiitos, Tack & Thank You!

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