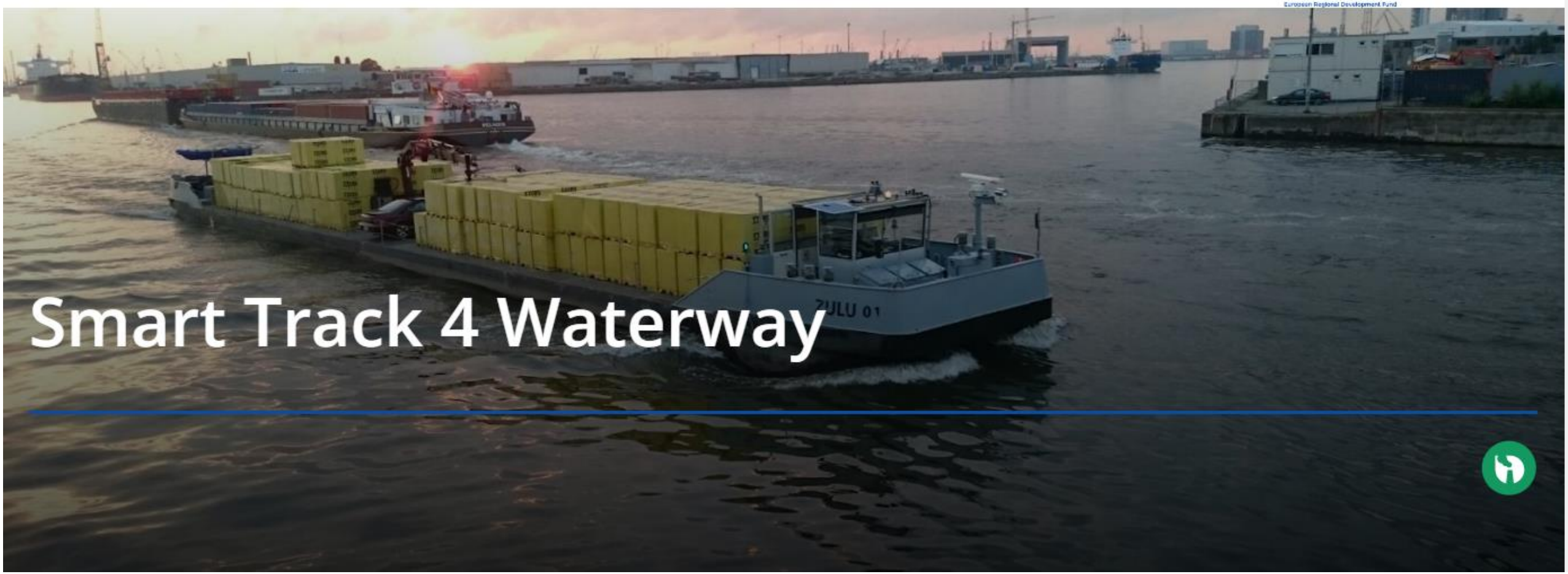
INNOVATION PITCH

6 OCTOBRE 2022

Interreg
North-West Europe
ST4W
European Regional Development Fund



Smart Track 4 Waterway

Wallonia.be

EXPORT
INVESTMENT

Wallonie

Smart Track 4 Waterway

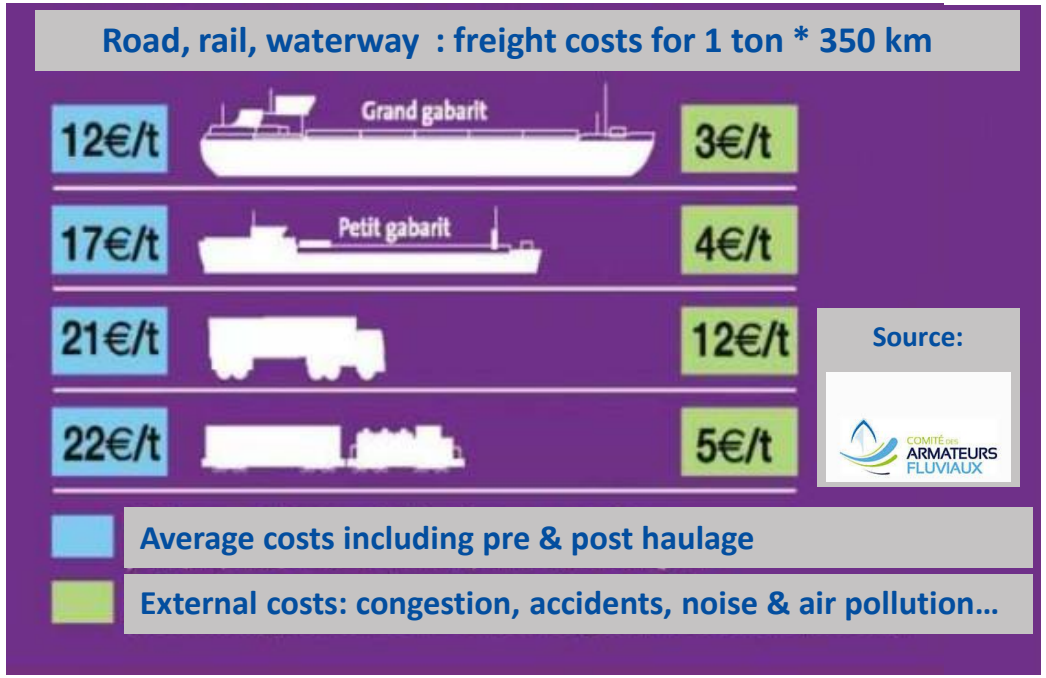
Modal shift to waterway fostered by hierarchical tracking

Interreg North-West Europe
EUROPEAN UNION
ST4W
European Regional Development Fund

An European consortium

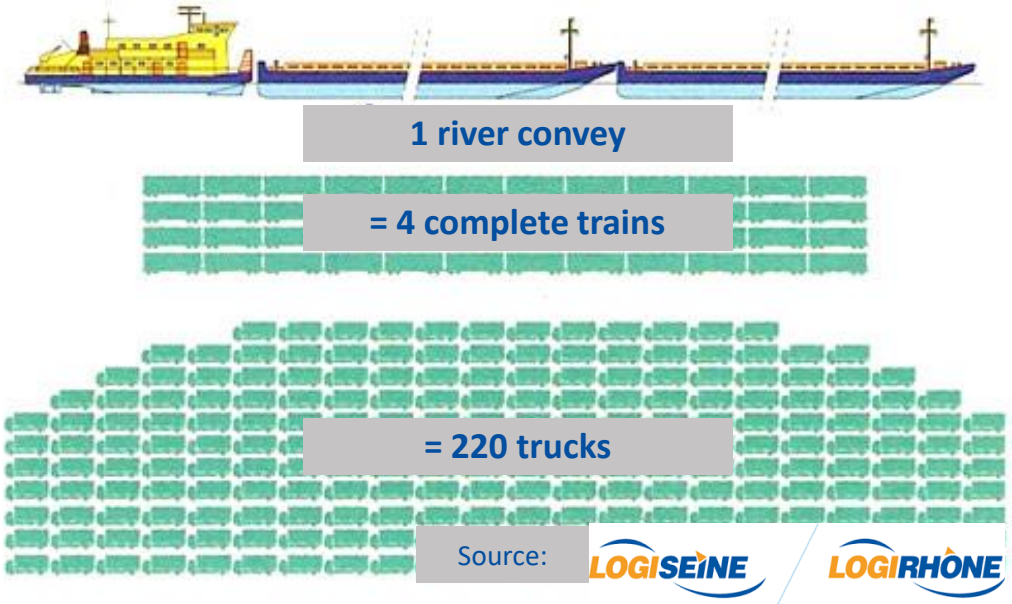
Main advantages of inland waterway transport

- Cost effectiveness
- 3 times less CO2 than road
- Navigational safety
- Reliability of timelines
- Easy to enter urban areas



Initial observations

IWT predominantly used by large companies for bulk & big volumes



- Used to a small extend by SMEs
- Used to a very small extend for palletized freight

Pallets take the boat !

Palletized freight is generally carried by road:

- In small volumes
- Directly from point A to point B

Main impediments to modal shift from road to waterway:

- Additional transhipment operations
- Adapted vehicles and infrastructures for pallet handling
- Bundling of several small volumes
- More complex logistics engineering
- More administrative burden

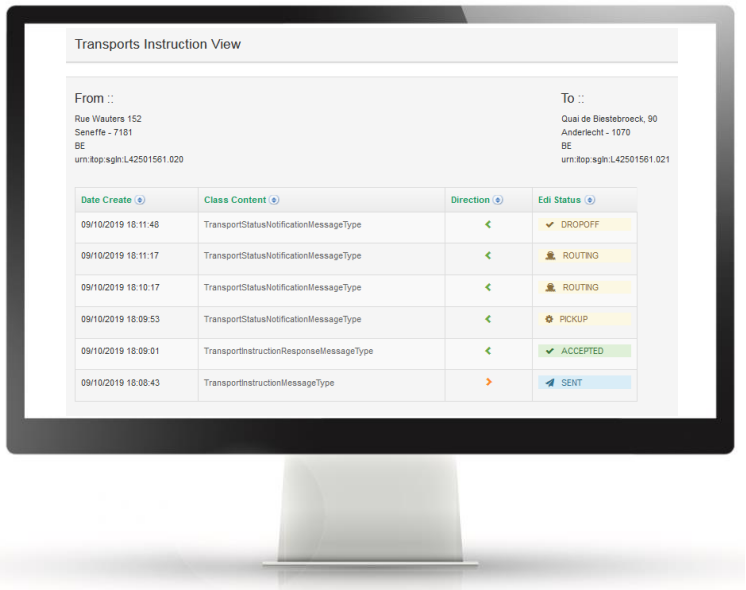
ST4W tool

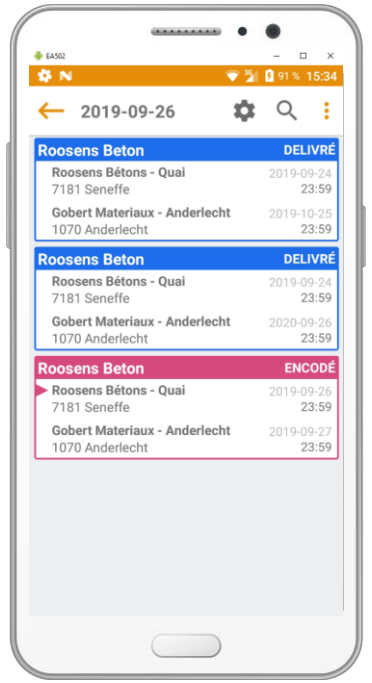
ST4W develops and tests a **collaborative software platform** that improves the **performance of multimodal transport** by providing **end to end seamless visibility**.

Focus:

- Complex multimodal logistics operations
- Individual logistics units (pallets, big bags, containers, ...)
- SMEs

Turnkey solution





ST4W tool + Infrastructures + TMS

Technological breakthrough

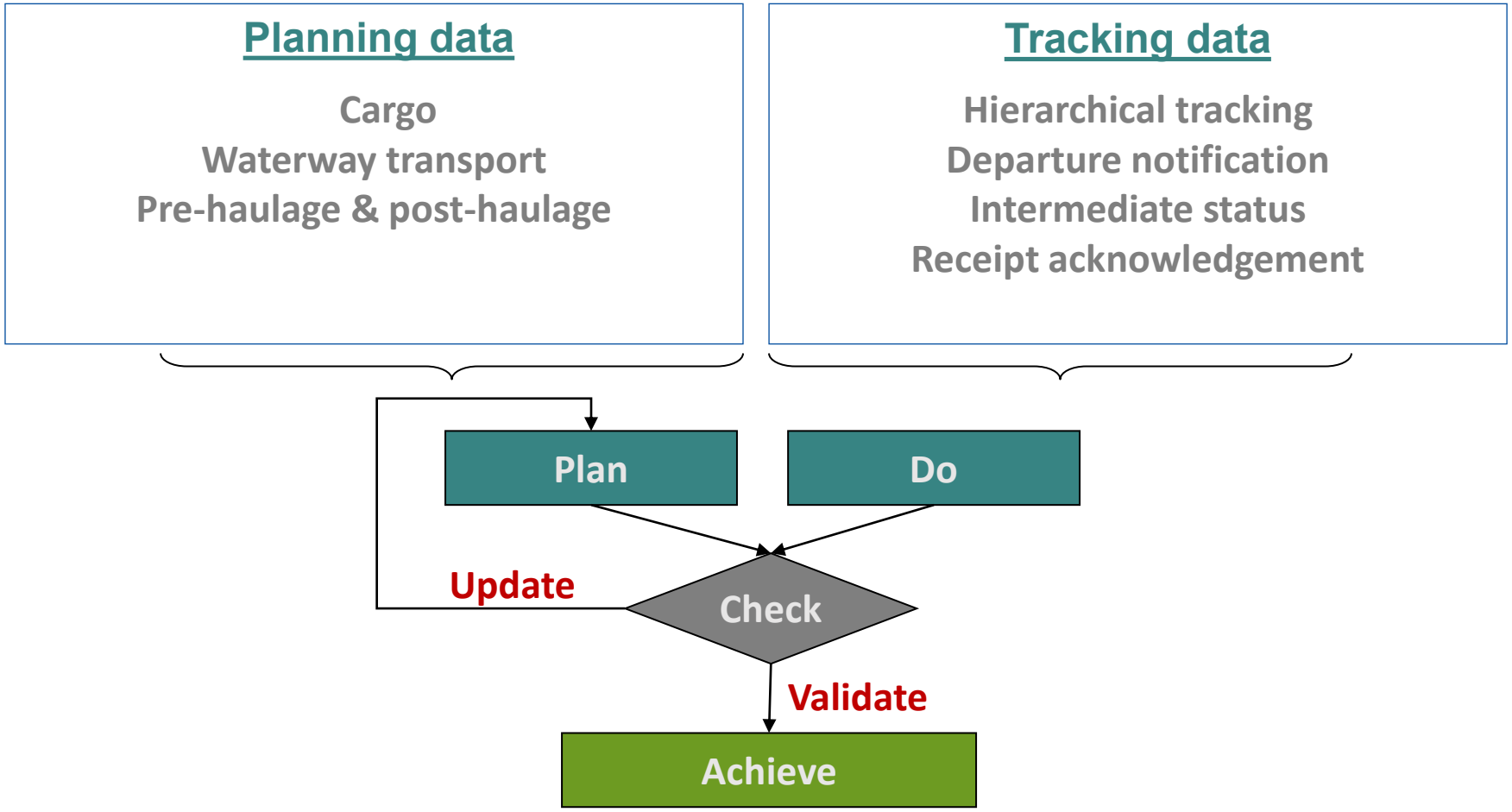
Hierarchical tracking data exchange platform

Two technological enablers:

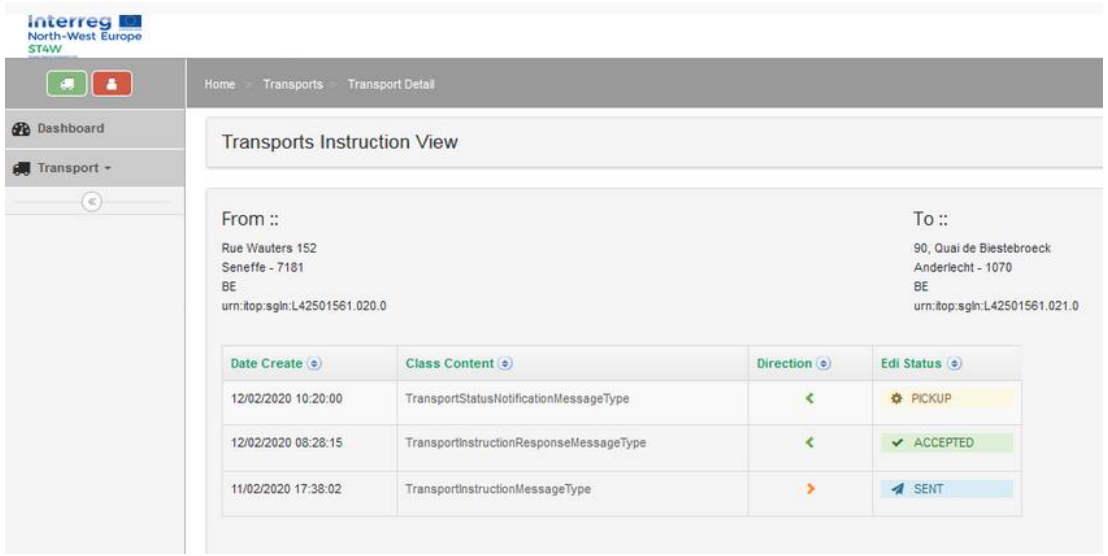
1. Linking tracking data from fragmented sources
- vessels & trucks geo-localization
- last known location of logistics units (pallets, big-bags, ...)

2. Sharing standardized & secure information (GS1)
- where everyone is master of his own data
- and shares it only with chosen partners

Real-time synchronization between actors



Belgium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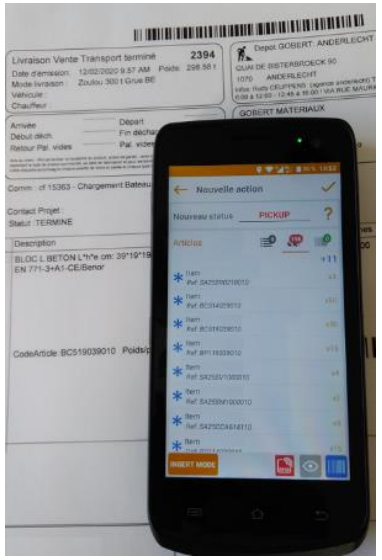
Nouvelle action
PICKUP

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LOGISTICS IN WALLONIA
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