

Smart Track 4 Waterway

Smart Tracking Data Network
for Shipment by Inland Waterway

www.nweurope.eu/projects/

HIERARCHICAL TRACKING

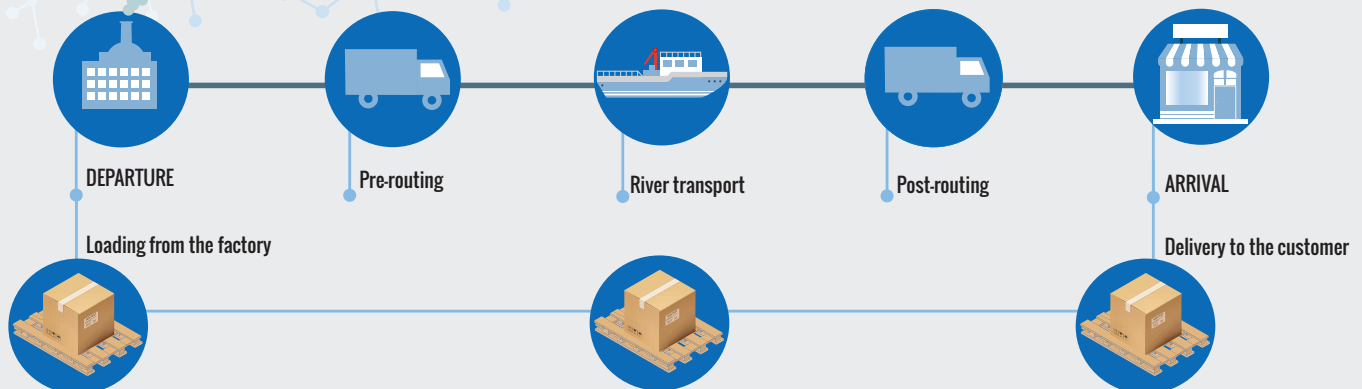
- **Automatic identification of logistics units** (1D & 2D Barcodes, active & passive RFID ...)
- **Barges geo-localization** (AIS transponders & River Information Services)
- **Cargo tracking :**
 What pallet in what container?
 What pallet or container in what vessel, in what truck?



END TO END SEAMLESS VISIBILITY

- **Automatic update** of logistics unit status (pallet, container...)
- **Real-time update** of Estimated Time of Arrival » of each logistics unit, throughout the multimodal supply chain
- **Automatic alert** in the case of delay or loading the wrong logistics unit
- **Electronic proof** of delivery at each step:
 - pre-shipment
 - inland waterway transportation
 - post-shipment

> STEPS



DEPARTURE

Pre-routing

River transport

Post-routing

ARRIVAL

Loading from the factory

Delivery to the customer

EASY ACCESS TO SHARED AND SECURE DATA



• **Cloud-oriented unified data exchange platform:**

- Based on GS1 standards (https://www.gs1.org/sites/default/files/gs1standards_in-maritime.pdf)
- where everyone is master of his own data and shares it only with chosen partners



• **Synchronisation of trade documents, planning and tracking data:**

- real-time follow-up of operations
- better workload forecast
- more efficient resources allocation.