

Smart Track 4 Water Way

***Smart Cloud Oriented Tracking Data network
for Shipment by Inland Waterway***

- MG-5.2-2017. Innovative ICT solutions for future logistics operations
- MG-5.4-2017. Potential of the Physical Internet
- MG-7.2-2017. Optimisation of transport infrastructure including terminals
- MG-7.3-2017. The Port of the future

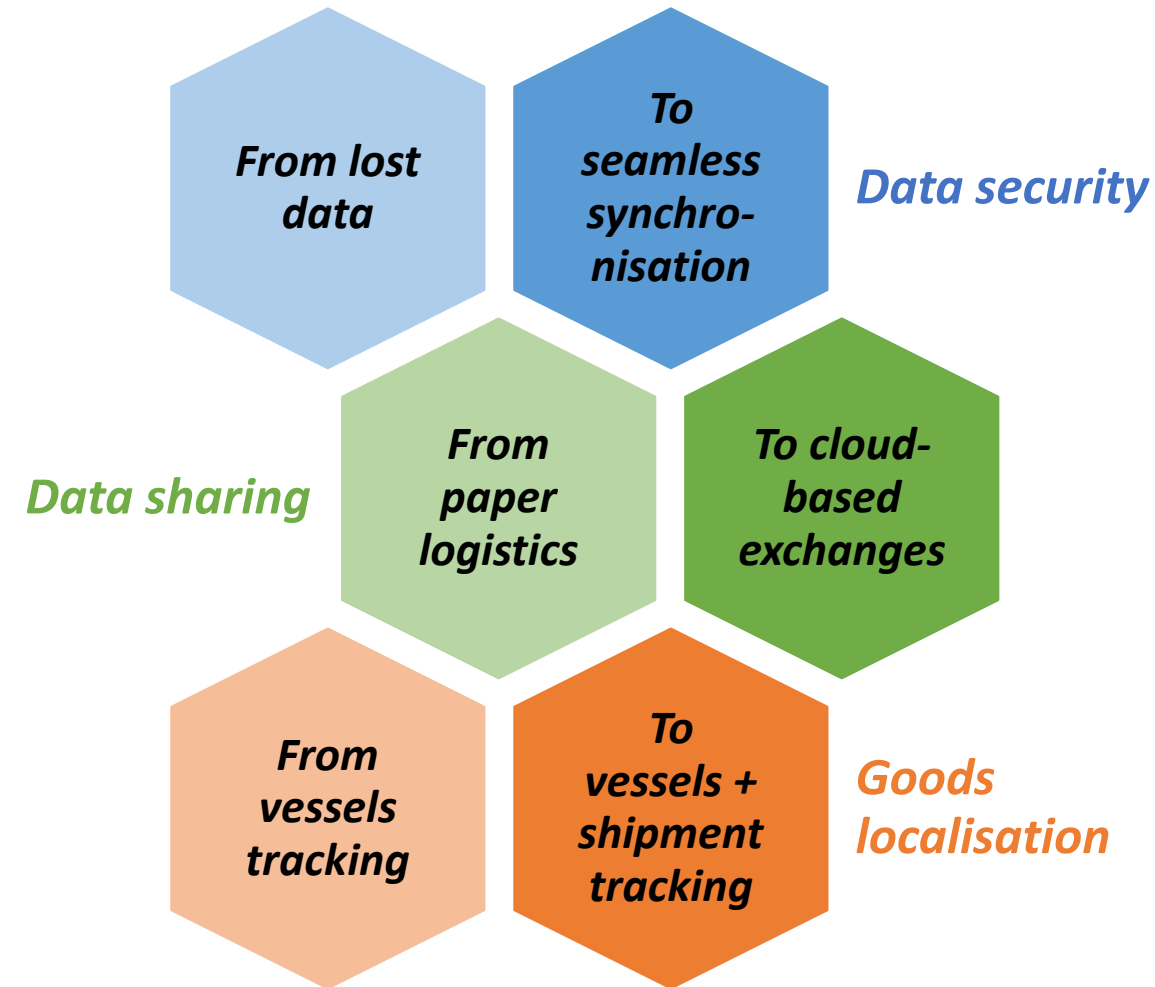


From road to waterway...

One basic issue, many obstacles:

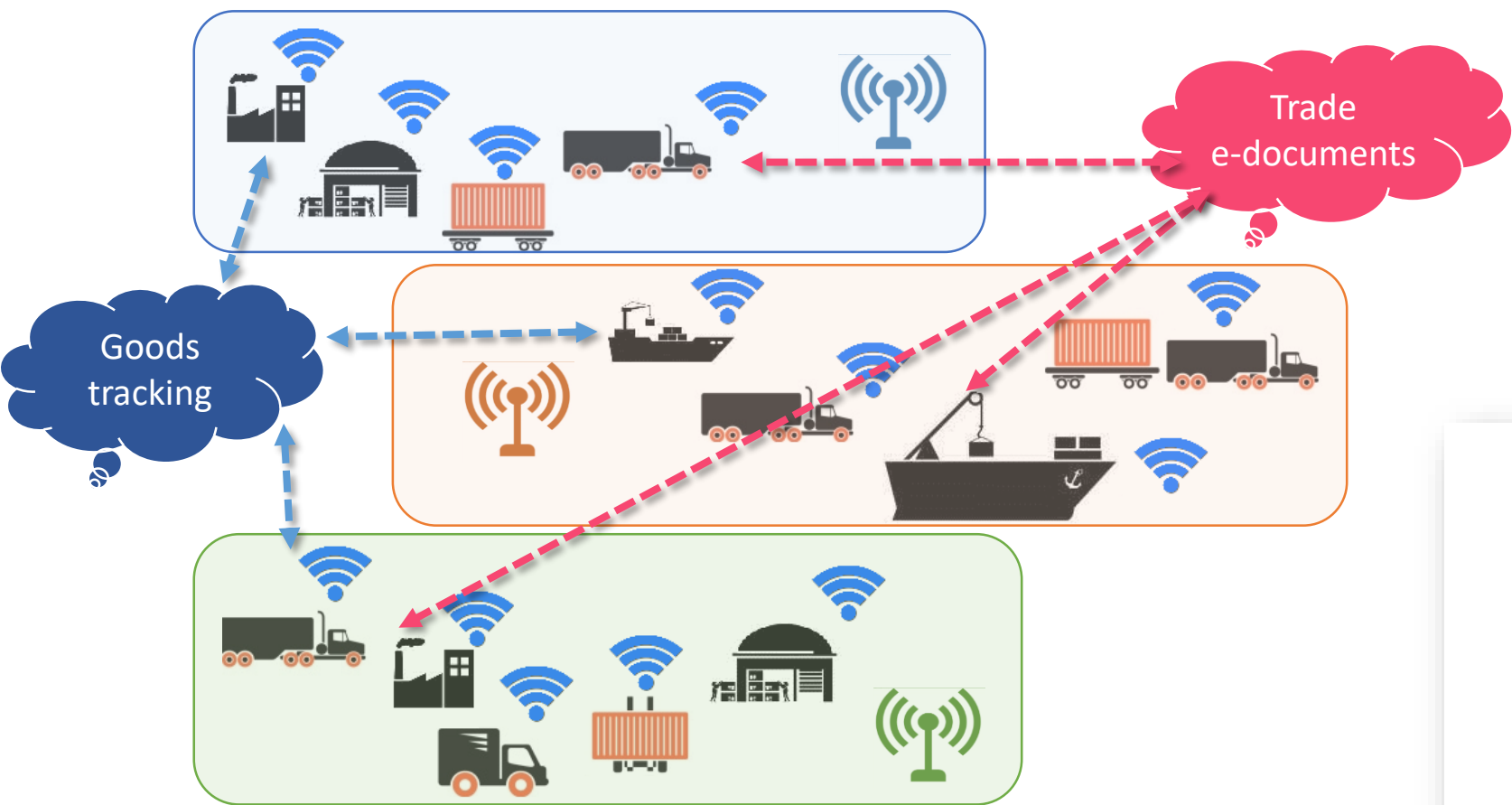
- ***High costs operations***
- ***Heavy administrative procedures***
- ***Bad sectorial knowledge***
- ***Unattractive, unflexible transport mean***
- ***Lack in innovation***
- ***Lot of small actors***
- ***No synchronisation of information***

What ST4W proposes...

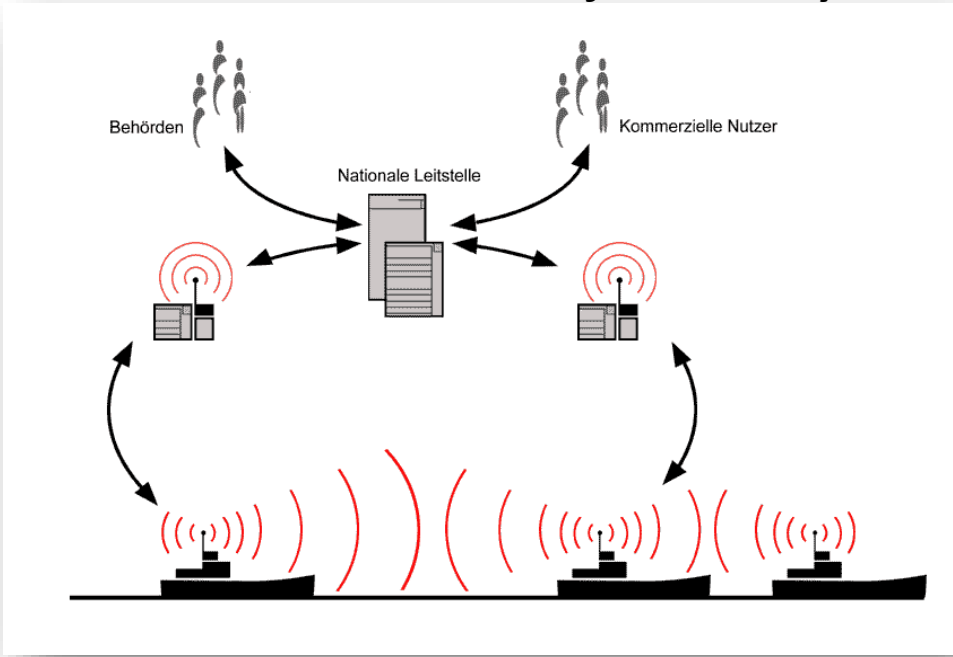


- **FOCUS ON SMEs**
- **CLOUD BASED MANAGEMENT :**
 - Complementary to [River Information Services](#)
 - Easy and cheap for SMEs = [SaaS](#)
 - Secure data
 - Synchronization of : planning, trade documents, traceability data
- **HIERARCHICAL TRACEABILITY DATA CAN BE SHARED:**
 - Using a combination of different technologies: [LPWA](#), [RFID](#)...
 - Based on [GS1](#) worldwide frame of tracking standards : [EPC-Network](#)
 - While every partner controls his own data (wish-based sharing)
 - Based on existing baseline infrastructure ([Ecologistics](#) framework)
 - Using interoperable tools for capture

Seamless synchronisation between logistics and traffic management systems



River information system



Expected project benefits



- More efficiency & less errors thanks to reduced data re-entry:
 - enabled by standardized data exchange,
 - with a simpler and cheaper access to secure data,



- More visibility with goods tracking (**ST4W**) aggregated with vessels tracking (**RIS**):
- real time follow-up of operations,
 - better workload forecast,
 - better resources allocation,



- Enabling partners to reinforce their collaboration:
 - synchronizing operations,
 - bundling their transport volumes,
 - mutualising their resources,
 - reducing transit time,
 - taking the first step towards modal shift,



- Reducing GHG emissions.

Current project partners + associated

Project partners		
MULTITEL ASBL	BE	Research
CRITT FRANCE	FR	Research
Logistics in Wallonia (LiW)	BE	Clus
Institut für Seeverkehrswirtschaft und Logistik (ISL)	DE	Research
Technische Universiteit Eindhoven (TU/e)	NL	Unive
Port of Brussels	BE	Inland
Brussels Mobility	BE	City admin
Associated partners		
GS1 France	FR	Com
French Inland Waterways (VNL)	FR	IWT admin
Direction for Inland Waterways	BE	IWT admin
Transports Terrestres Promotion, i-Trans (i-FRET)	FR	Clus
De Scheepvaart	BE	IWT admin
Port of Liege (PAL)	BE	Inland
Autonomous Port of Centre and West (PACO)	BE	Inland
Waterwegen en Zeekanaal	NL	IWT admin
Ministry of Transport	DE	IWT admin

