BOOSTLOG
DATA SHARING
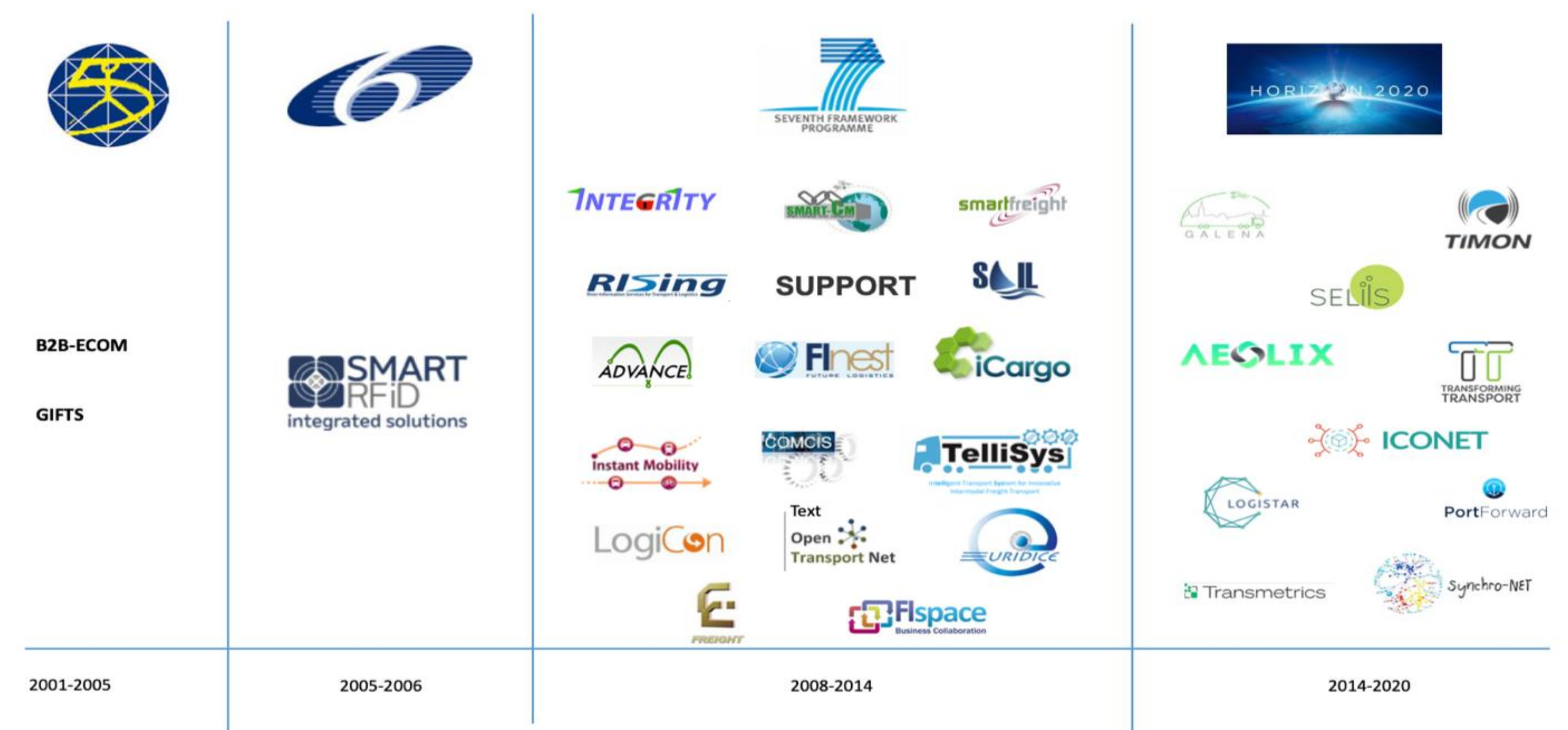

SCOPE

The digitization of freight and logistics offers a variety of advantages as well as certain barriers and limitations. Data sharing helps accelerate said digitalization. Freight and logistics data sharing can result to improved multi-modal optimization and management and experts ascribe a high importance to data sharing in transportation and logistics (90% compared to 83% for other sectors).

BOOSTLOG focuses on freight and logistics data sharing, showcasing both outcomes and implementation cases directly contributing to the field. It includes identification of the relevant EU funded projects, the outcomes and implementation cases that were gathered and interviews will be planned.

Most relevant milestones of EU policies are mapped out and presented as well as challenges and positive impact regarding freight and logistics data sharing; Reasons of data sharing; Pain points of data sharing; Current state of data sharing; Interventions and solutions; Market analysis of current practices; Inventory of data sharing implementations and initiatives; Relative EU initiatives and legislation; Current practices; Project results and outcomes; Implementation cases.

PROJECTS INCLUDED IN THE CLOUD REPORT

MAIN OUTCOMES

There are 12 main outcomes and below we show for 3 implementation cases.

Smart tools for logistics and management in freight

- SMART
- LogiCon
- OTN
- TIMON
- SELIS
- AEOLIX
- LOGISTAR
- PortForward
- FIspace

Enhanced port engineering by smart approaches

- RISING
- TIGER
- COMCIS
- INTRANSYS
- SAIL
- GIFTS
- FINest
- Instant Mobility
- iCargo
- TelliSys
- ADVANCE
- TT
- ICONET
- SYNCHRO-NET
- SUPPORT

Enhanced urban support

- EURIDICE
- SMART_CM
- B2B-ECOM
- INTEGRITY
- E-FREIGHT
- SMARTFREIGHT
- GALENA

IMPLEMENTATION CASES

Collaborative Information Services for Container Management

COMCIS was a two-year project to explore the possibilities and commercial viability of employing situational awareness tools to solve problems of data fragmentation, delay and inconsistency throughout the global supply chain. The project used the Common Framework supporting interoperability between ICT systems in logistics and deployed a three-layer architecture based on: Aggregating data from multiple sources without requiring changes to the underlying IT systems; Standardising data so that it could be processed by value-added services, independent of its original source and format; Consolidating data to create on-time, qualified and derived information that could support operational decisions by delivering the right information to the right person, at the right time, in a user friendly way.
The platform developed to a commercial product that led to the acquisition of Logit-One by Transporeon and the integration of the functionalities of the platform to Transporeon's Transport Management Platform

European R&I project: FREIGHTWISE

Transporeon's Transport Management Platform

Fast Customs corridor

The implementation case involved the creation of a fast Customs corridor. It enabled the transfer of goods from a maritime port to inland terminals while monitoring the goods path and location in an effort to postpone Customs clearance until the goods reached the inland terminal. The implementation case involved recommendations for regulatory interventions in the legal framework of Italy that enabled the creation of the fast Customs corridor. The case involved the tracking of truck routes during subject trips via GPS and monitoring for deviations or stops during the route as well as electronic seals for rail transfer. It was implemented for transfers between the Port of Genoa and the Rivalta Terminal Europa and by IKEA for transfers to IKEA Deposito Centrale 1 in Piacenza

European R&I project: TIGER

Cloud-based collaborative logistics ecosystem

The AEOLIX project developed a targeted solution to address end to end supply chain visibility, validated across Europe by the LLs. AEOLIX helps to connect the dots of the fragmented stakeholder landscape, technologies while maximizing the use of the EU-directives and initiatives. The AEOLIX Digital Innovation Hub (DIH) became the knowledge centre for distributing learnings and "knowledge" services around supply chain process improvement, enabled (and scaled) by the AEOLIX platform solution. The LLs, after the successful demonstration of the implementation of the AEOLIX principles became distribution channels for both the AEOLIX solution and the connected services in order to improve supply chain eco-system.

European R&I project: AEOLIX

IMPLEMENTATION PATHS

- **Standardization** of data formats, data sharing protocols, and interfaces
- Data **Governance**
- R&D projects to be more market oriented (this also enhances transferability) of the best practices tested in other cities

Success factor: Collaboration between private and public stakeholders

- Industry priorities to be identified, supported and integrated into policy making
- Data sharing and collection with trust (on a regular basis)

Link to Cloud Report