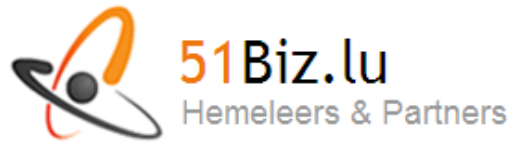# ONE Record – Pilot project profile

Pilot Description

- OneRecord for Road Transport
- Digital twin for transport and shipment
- Sharing data with public authorities (Benelux e-CMR/eFTI pilot project)
- OneAPP for authorities
- Integration ERP of SME Logistics Service Provider
- Linked data with multiple domain ontologies (IATA, UN/CEFACT, EU FEDeRATED)
- OneRecord-as-a-Service

Pilot Participants

Pilot Project Tag Line

EU-Gate
Sharing data with Europe
OneRecord for Road Transport

ONE Record – Pilot project profile

Data Model

Airline Core Ontology	Interactive Cargo (IoT)
Shipper's Letter of Instruction	Dangerous Goods
Cargo Distribution	Pharmaceutical
CO2 Emission	Customs (PLACI, ICS2)
e-CMR	Ground Handling
ULD Tracking	

API / Security

PUB/SUB	Access restriction
LO update	Cascading status update - Pub/sub in multi-chain
Access delegation	Data integrity / non repudiation with RDF
Security	SHACL shapes
Status update	IoT updates
Audit trail	Rich data

Implementation roadmap

2020-2021
- Demonstrator
- Logistics objects: Air Waybill, House Waybill, CMR, Cargo Manifest
- OneAPP for Authorities
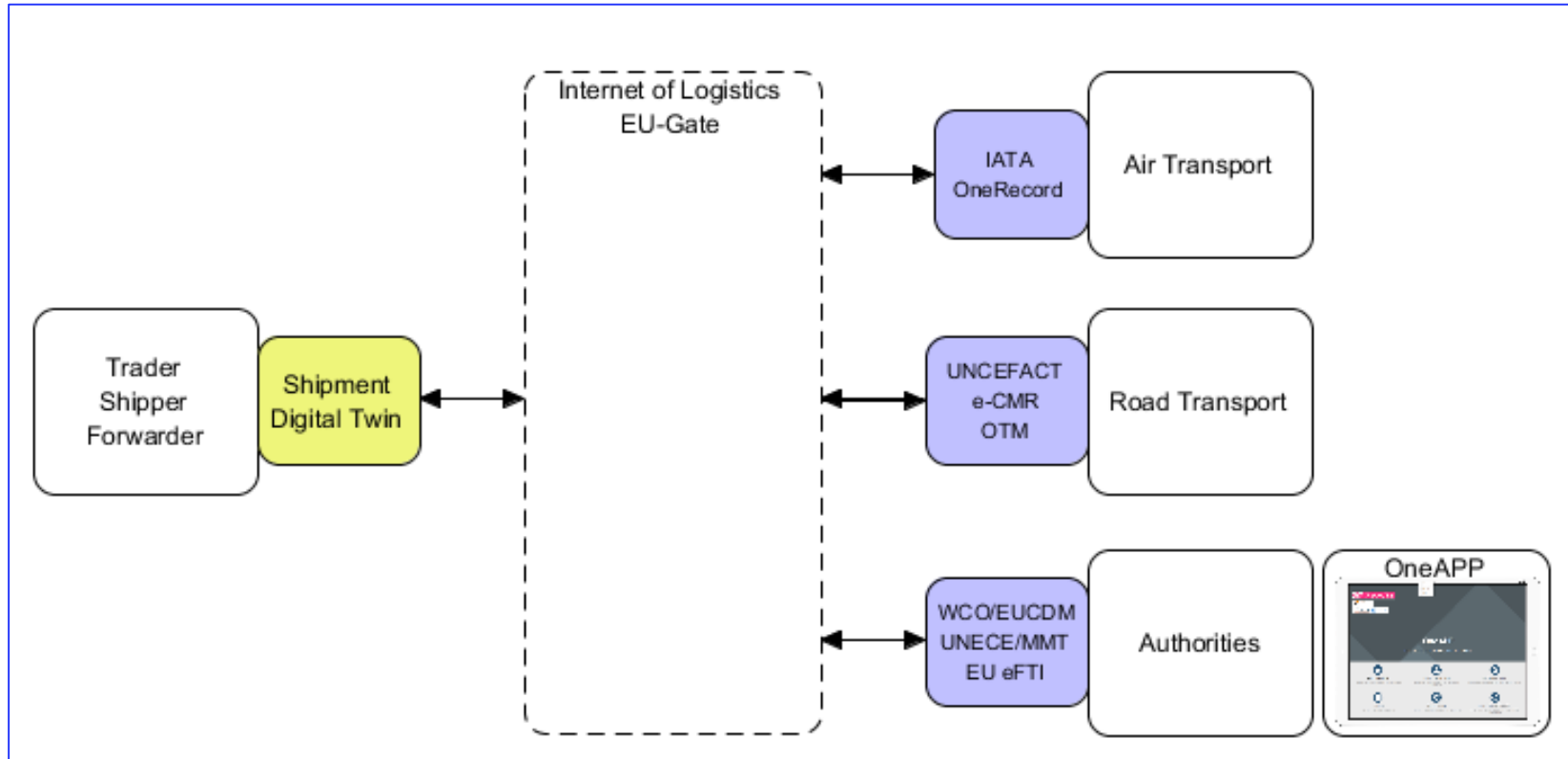- Integrate IATA and UN/CEFACT ontologies

2021-2022
- Pilot project
- Multi-modal air-cargo + road
- Use myERP as OneRecord Server
- Integration with Benelux e-CMR/eFTI pilot project
- OneRecord-as-a-Service

ONE Record – Pilot project profile

Pilot Set Up / Architecture

- OneRecord for road transport
- Digital twin for transport and shipment
- Use same data for commercial, transport and border control
- Ultra decentralized, do not copy
- Seamless integration of multiple domain ontologies
- Events, subscribe if you are entitled
- OneAPP for Authorities