Vedia is seeking One Record for air-road transport and especially focusing on IoT aspects and data sharing in multimodal logistics chains.

- Data collection from road transport via mobile app, IoT device and background systems
- Data sharing between business and authorities
- Data sharing between road and air transport
- Automated border crossing pilot between Norway and Finland is the first place where Vedia will adapt One Record
  - Data sharing between road transport, authorities and air cargo

More stakeholders will be added soon

Smooth border crossing by data sharing and logistics transparency
ONE Record – Truck/IoT border crossing

Data Model

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

API / Security

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

Implementation roadmap

Q1/2021 Vedia 1R server → Finland Norway border crossing pilot Q1/2021 → Q2/2021 Finland Baltics corridor collaboration → Finland – Russia – China corridor collaboration H2/2021
ONE Record – Truck/IoT border crossing

Pilot Set Up / Architecture