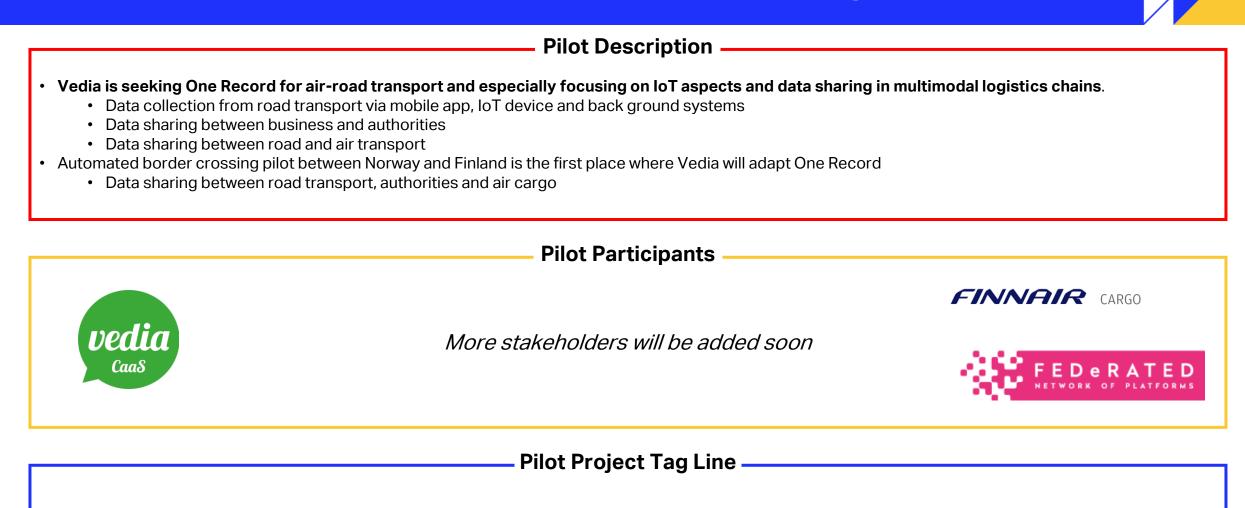
ONE Record – Truck/IoT border crossing



Smooth border crossing by data sharing and logistics transparency

ONE Record – Truck/IoT border crossing

| Data Model ——— | | API / Security — | |
|------------------------------------|----------------------------|-------------------|---|
| Airline Core Ontology | Interactive Cargo (IoT) | PUB/SUB | Access restriction |
| Shipper's Letter of Instruction | Dangerous Goods | LO update | Cascading status update - Pub/sub in multi-chain |
| Cargo Distribution | Pharmaceutical | Access delegation | Data integrity / non repudiation with RDF |
| CO2 Emission | Customs (PLACI, ICS2) | Security | SHACL shapes |
| e-CMR | Ground Handling | Status update | loT updates |
| ULD Tracking | Perishables | Audit trail | Rich data |

Implementation roadmap

Q1/2021 Vedia 1R server \rightarrow Finland Norway border crossing pilot Q1/2021 \rightarrow Q2/2021 Finland Baltics corridor collaboration \rightarrow Finland – Russia – China corridor collaboration H2/2021

ONE Record – Truck/IoT border crossing

