



Data sharing in an agile logistics environment

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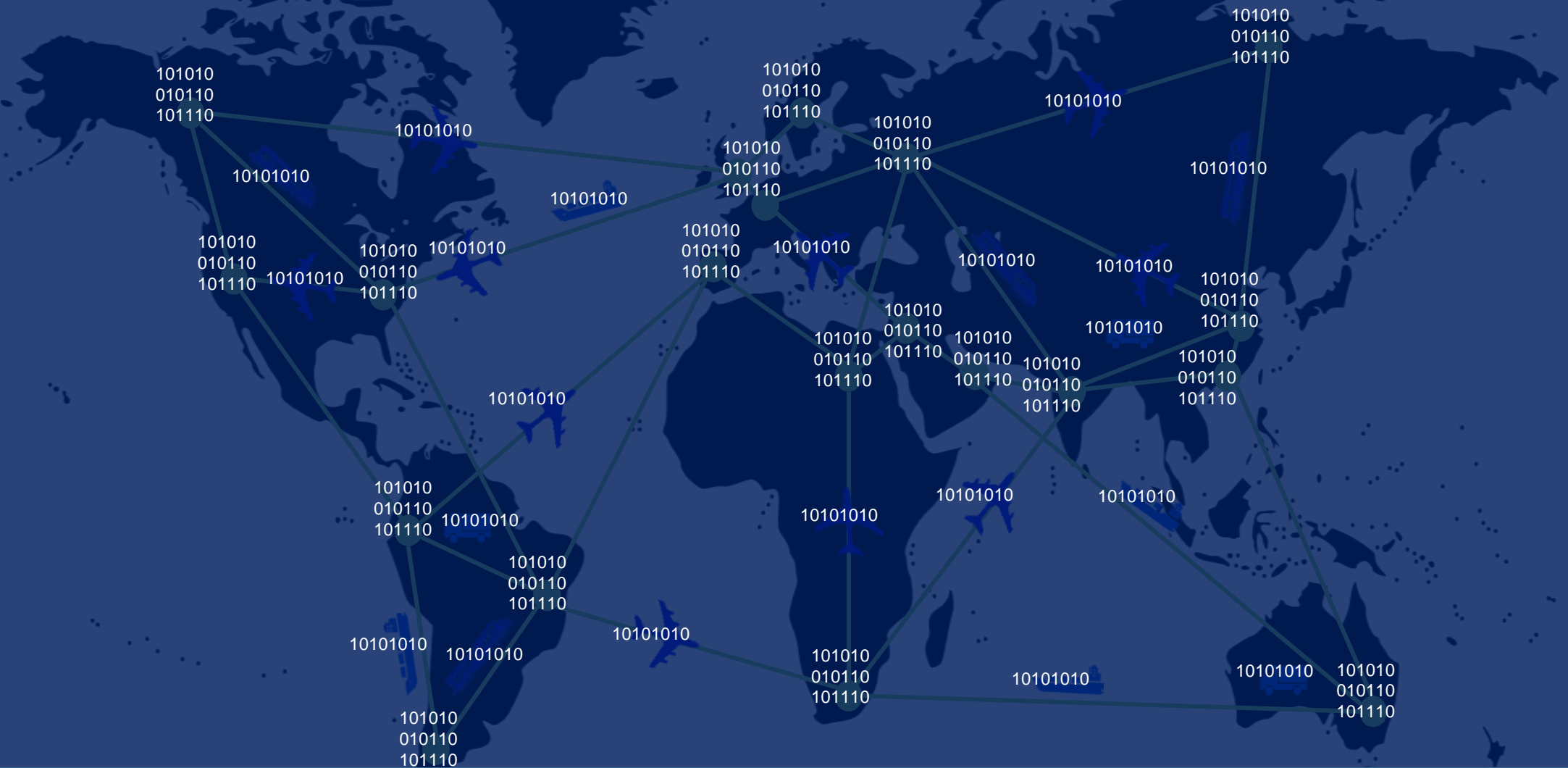
Head, Digital Cargo

Smart Start-ups and new Business Models Supply Chain

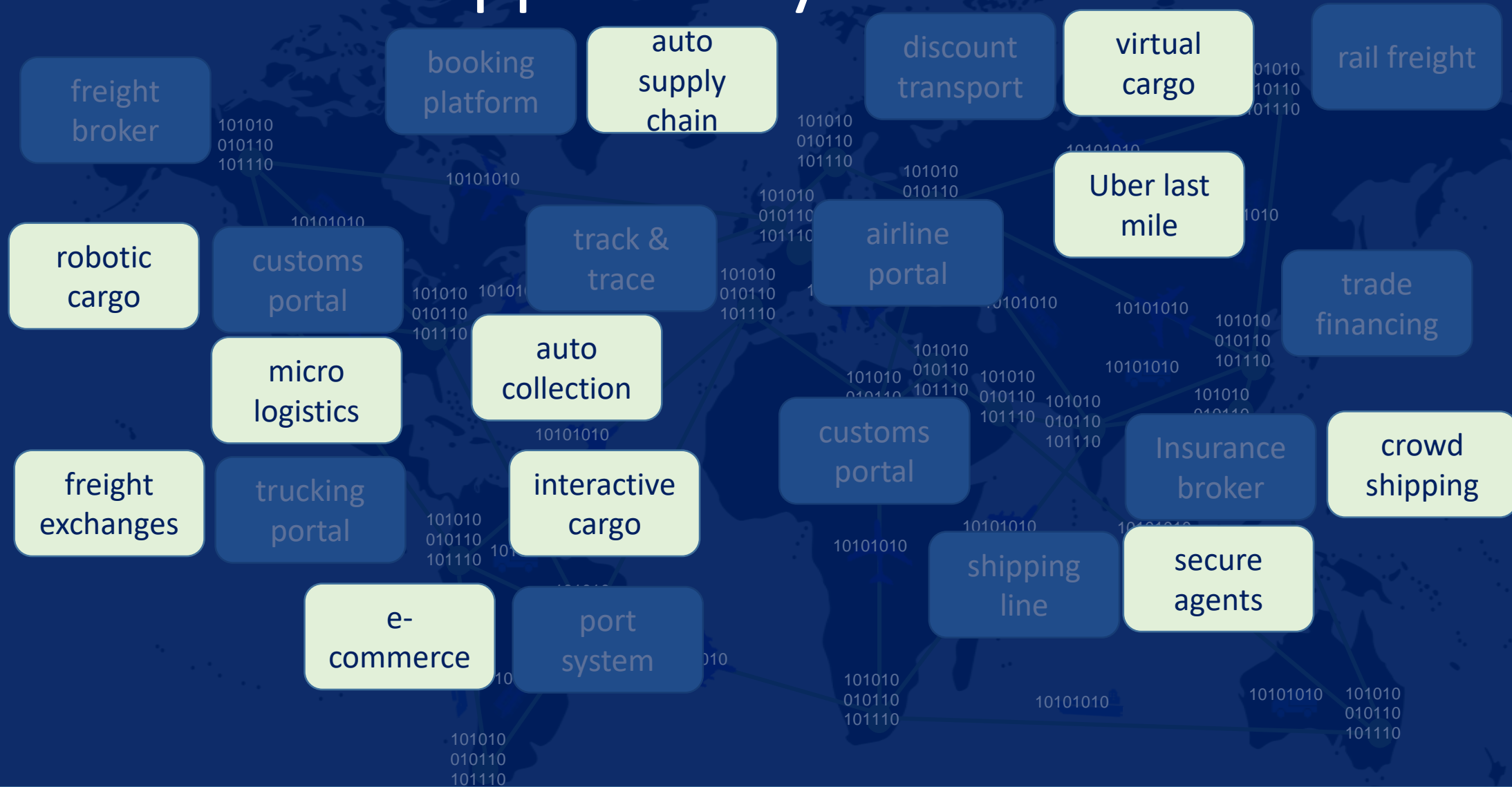
Luxemburg, 29 May 2018



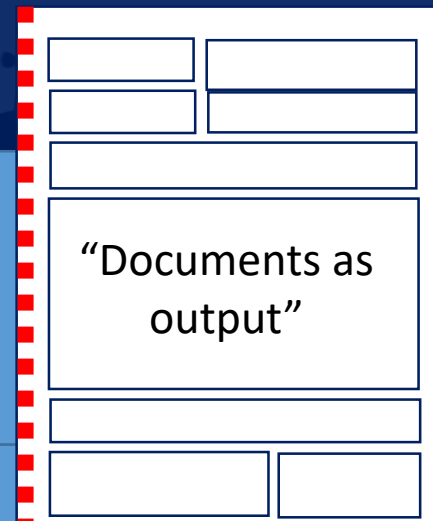
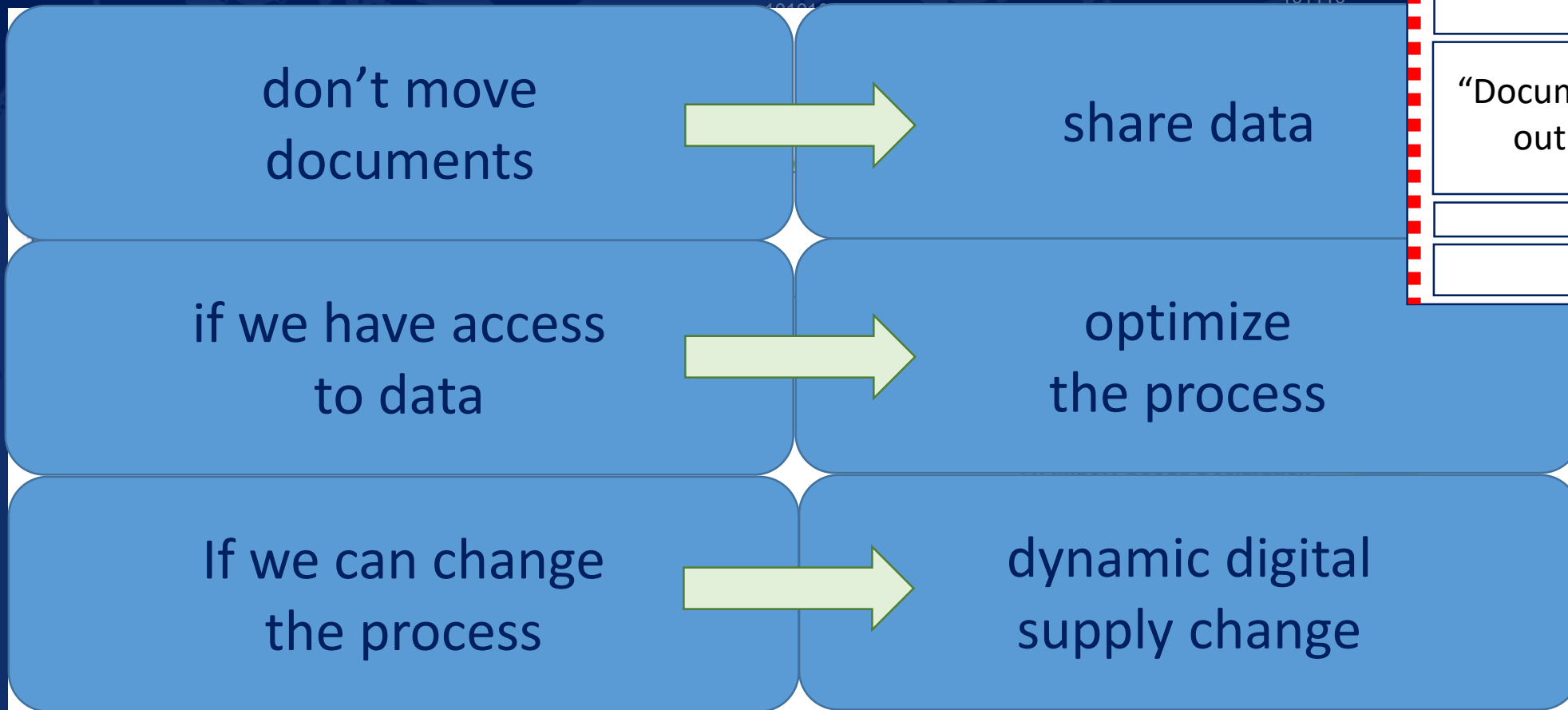
ONE Record :: "Internet of Logistics"



ONE Record :: Apps and Systems



ONE Record :: Data substitutes documents

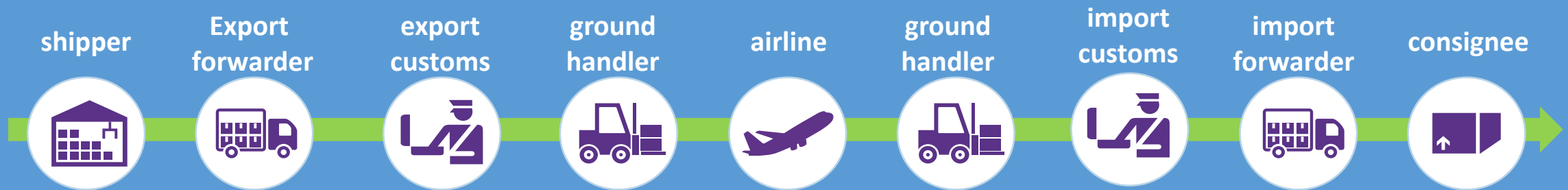


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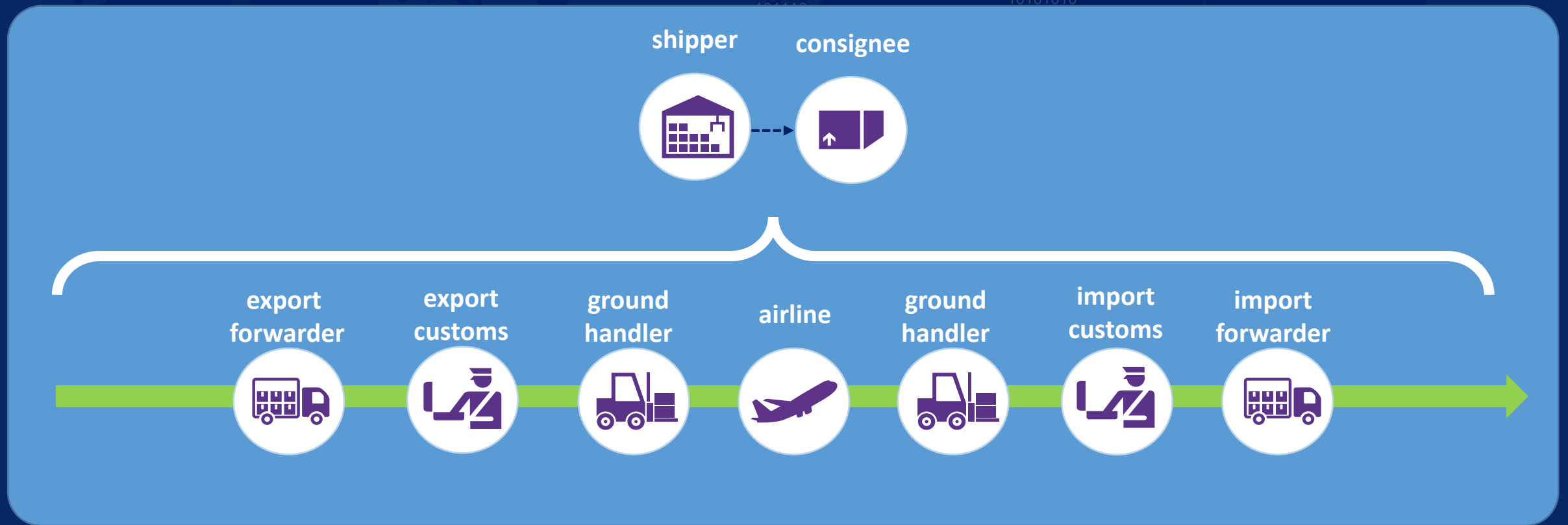
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ONE Record :: Rethinking the process



ONE Record :: Rethinking the process



ONE Record :: data sharing standard

Data standard: what we exchange

In a global transport and logistics environment there can be no single common data standards; there are many. Using ontologies (digital dictionaries) we can automatically interpret and translate data between parties

API standard: how we exchange

Web based data exchange is as old as the web (1991). Today the typical web API's are RESTful and sophisticated token based security like OAuth is easily implemented

Access governance: who can exchange

Access to the Internet of Logistics will be managed through distributed trust networks that will be managed by accredited governance entities

ONE Record :: simply data sharing



<http://onerecord.server.com/shipper/airfreight/123-1234567/awb/consignee/address>

ONE Record: :: making it happen

Develop

IATA's **ONE Record Task Force** is developing the ontologies and API standard as well as the governance and specification of trust networks

First draft → end 2018

Test

In cooperation with the Digital Cargo Foundation (DCF), we are testing the data sharing concept with ontologies and API's in a real supply chain setting

Test exchanges → live already

Implement

Building on the test environment, new parties are being added to the network and the functional scope is being expanded

development, testing and implementation are done in parallel → speed is essential



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