



Single Window, e-CMR, Blockchain How they can fit together.

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Rudy.Hemeleers@51biz.lu

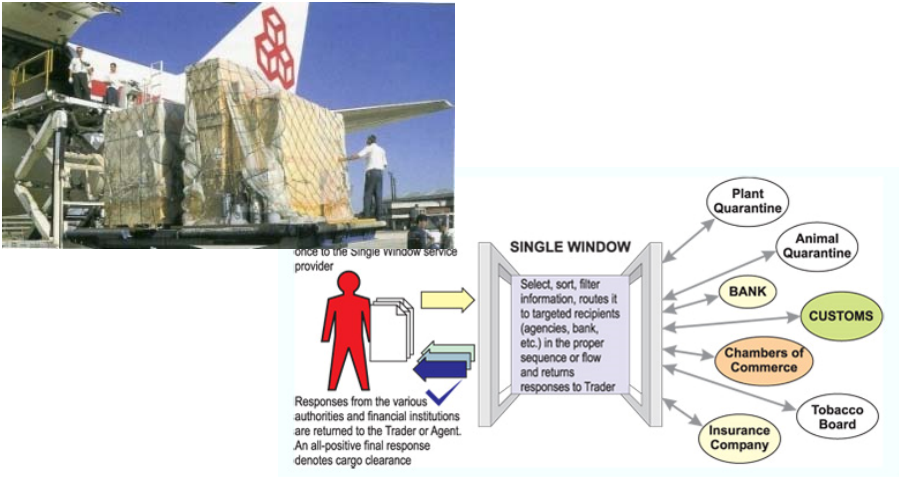
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A network of trade & logistics experts

*EU-gate.eu,
UN/CEFACT, WCO, DG MOVE-DTLF*



Fine Art and Luxembourg Freeport



e-CMR BeNeLux



Bulgaria, Czech Rep., Denmark, Latvia, Lithuania, Netherlands, Slovakia, Spain and Switzerland.

Digital Europe for Transport and Logistics

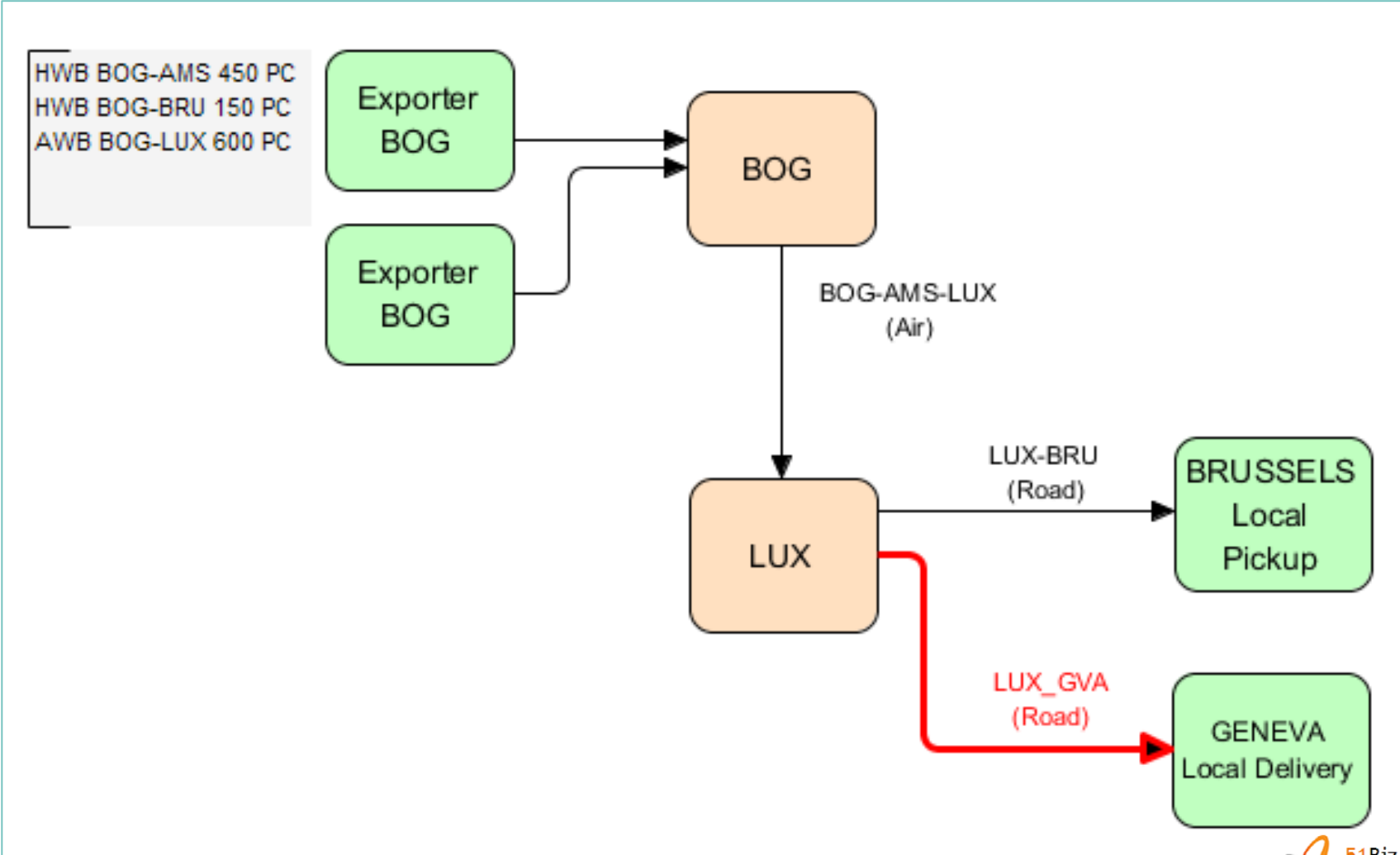


The added value of blockchain business solutions for multi-modal logistics trade lanes

1. EU-gate for Perishables reference trade lane
 - Flowers from Colombia to Brussels and Geneva
2. Integration of 20+ trusted trade lane partners, 3+ national/EU Single Windows, 3+ (air-)port community systems.
 - Information pipeline: 50-70% of information is available at source
 - Share with trusted logistics partners and government control authorities
3. Paperless truck : Luxembourg to Geneva
 - Added business value of digital transport and logistics, e-CMR
 - 3 Key challenges
4. Added value of Blockchain technology
5. Conclusions

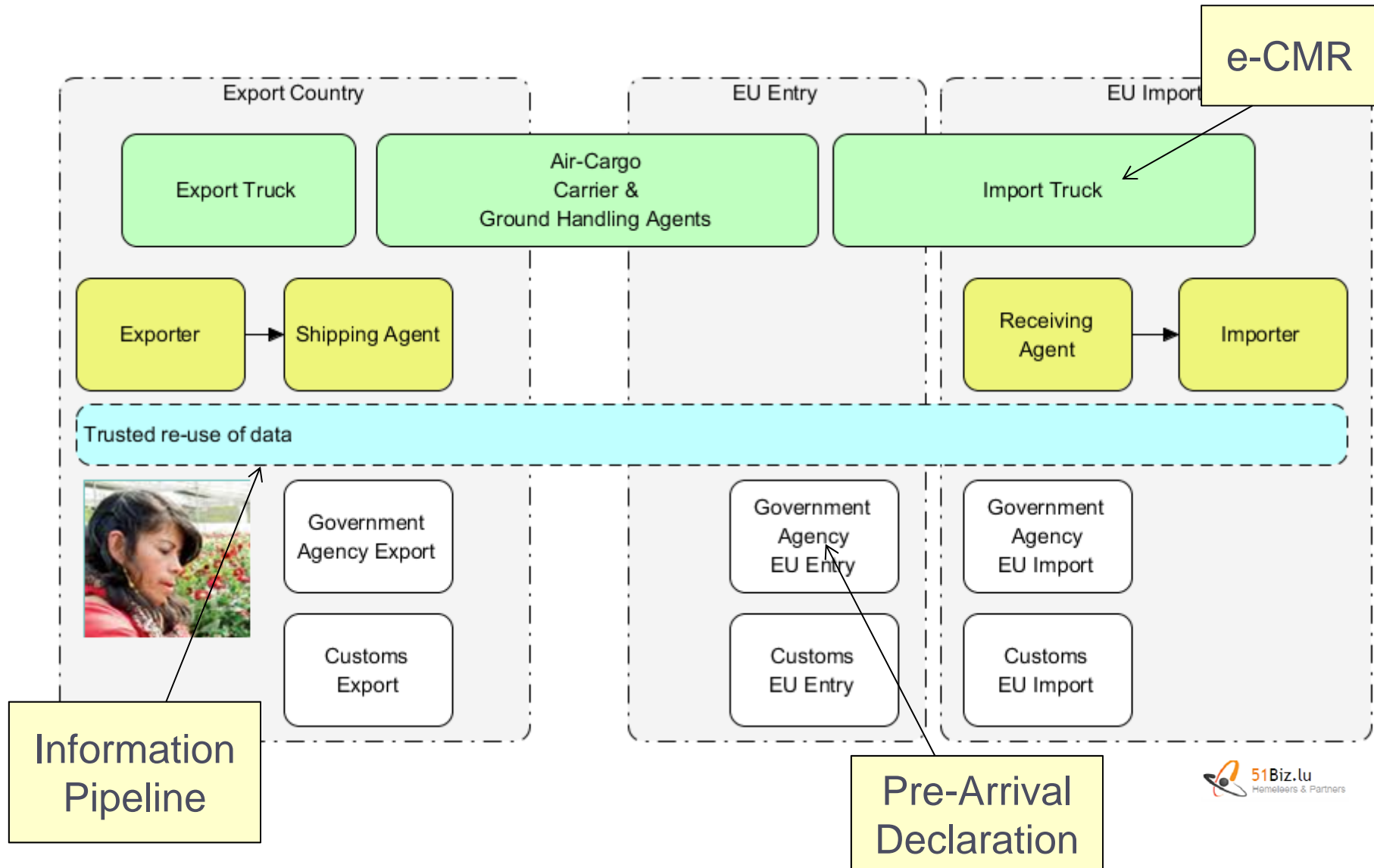
Case study : Flowers from Latin America

An export forwarder consolidates flowers exports with destinations in Belgium (local pickup at Brussels Airport) and Geneva (Flower Distributor)



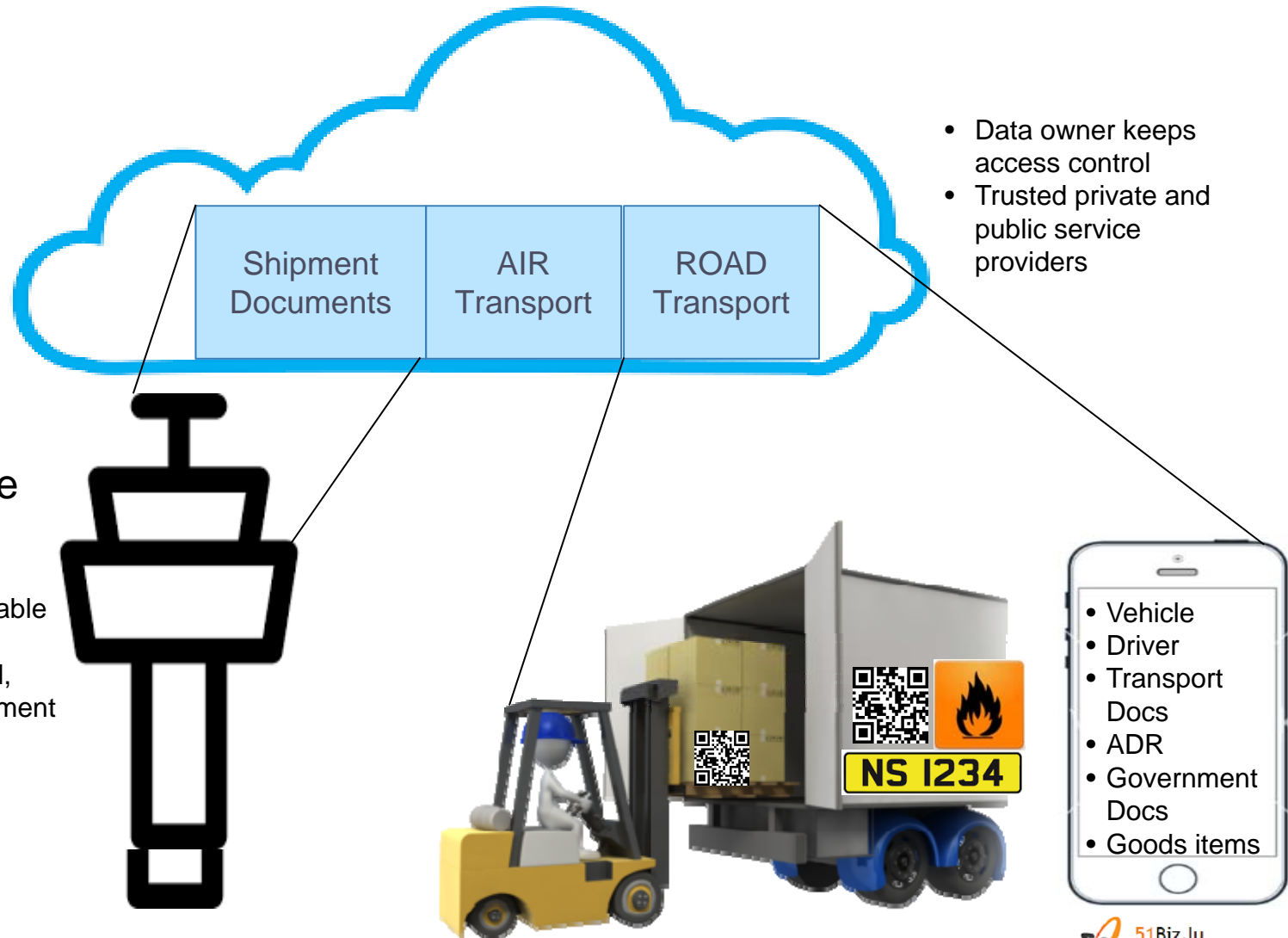
EU-gate Perishables Reference Trade Lane

Data captured at at source to be re-used along the supply chain by trusted private and public partners

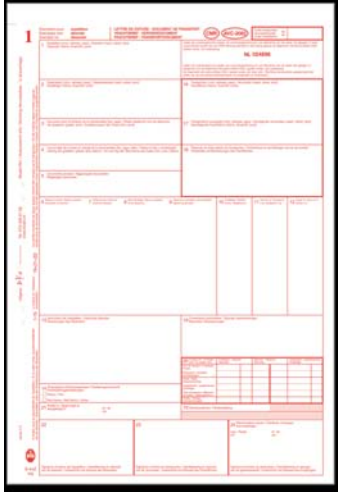


Truck: Luxembourg - Geneva

The perishables reference trade lane demonstrates the added value of the information pipeline, the e-CMR and Blockchain solutions for multi-modal air-carriage



Challenges of electronic transport documents



1. Trust digital information
 - Uniqueness
 - Integrity
2. Trust private systems
3. Enable single access to multiple logistics partners, thus multiple IT systems for
4. Avoid sharing sensitive data with multiple digital platforms. Keep control over commercial data
5. But .. Facilitate border control risk analysis and profiling

Blockchain as a solution to guarantee uniqueness and integrity of digital logistics documents



1. Paper process

- Transport documents have multiple copies that are completed and signed off when goods move through the trade lane

2. Digital process

- Digital documents have multiple versions, “states”
- The blockchain allows to create a record that is unique for each critical milestone

Blockchain as a network of trust

- Control authorities
 - ❑ Up-to-date information about individual authority
 - ❑ Identify rights to access information
 - ❑ >> need for harmonization
- Providers of information services

