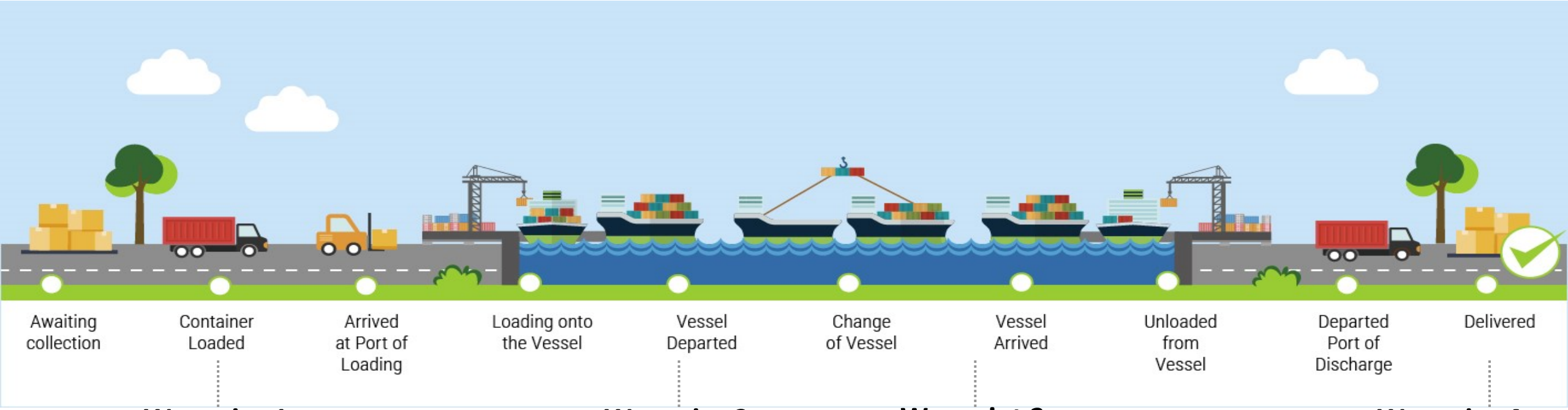
Data Pipeline Project

Geneva April 2019

KEY WAYPOINTS IN A DATA PIPELINE



Waypoint 1

Parties
- Buyer
- Seller
- Loading Party
- Ship To

Goods
- No Packages
- Country of Origin
- HS Code
- Value of Goods
- Description of Goods

Container Details
- Container and Seal No

Waypoint 2

Parties
- Carrier
- Planned Delivery

Goods
- Country of Export
- Country of Destination

References
- Master Bill Number

Waypoint 3

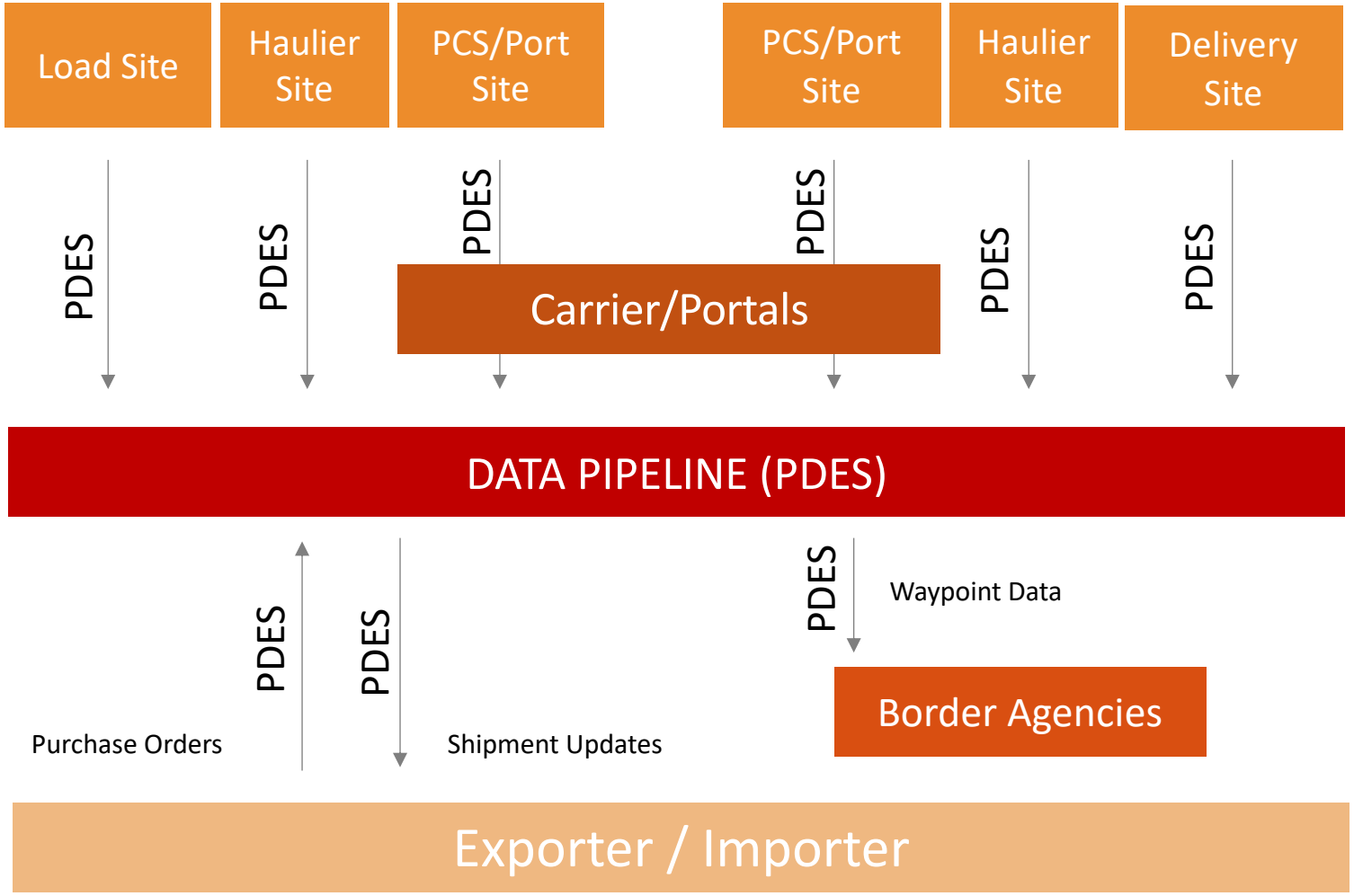
Routing
- Port Call(s)
- Port of Entry to EU / UK
- Estimated Arrival Date
- Arrival Location

Waypoint 4

Parties
- Actual Delivery Date

Goods
- No Packages
- Declared Amounts (if different)

RIGHT DATA, RIGHT PLACE, RIGHT TIME



TIMING AND AVAILABILITY OF DATA

Pipeline Data

- Available Much Earlier (at point of loading -30 days)
- Accurate, as used in the supply chain to automate process and create efficiency
- Complete, contains sales contract data such as:
  - Buyer
  - Seller
  - HS Code
  - Country of Origin
  - Description of Goods

Manifest Data

- Available 48 hours prior to arrival (or less)
- **Poor Quality**, has typically been 'watered down' to reduce work, satisfy insurance requirements (S.T.C), hide data from prying eyes
- **Incomplete**, doesn't always contain key data for risk analysis

USEFUL DESCRIPTION OF GOODS?

WASTE PAPER
FREIGHT PREPAID,
15 DAYS FREE TIME

MEANINGFUL DESCRIPTION OF GOODS

Waste Paper 90/10 OCC (Old Corrugated Container)
FREIGHT PREPAID,
15 DAYS FREE TIME

HS Code: 4707100000

BUSINESS CASE

- Hazelnuts from Azerbaijan (HS:08022100) – 100% document check, 10% physical inspection requirement.
- Description of goods (Nuts) and short HS code on manifest.
- **ALL** ‘nuts’ from Azerbaijan stopped as description is not clear enough
- **£1million** year saving for this case alone
- Correct data de-risks trade route, allows resource to focus on unknown

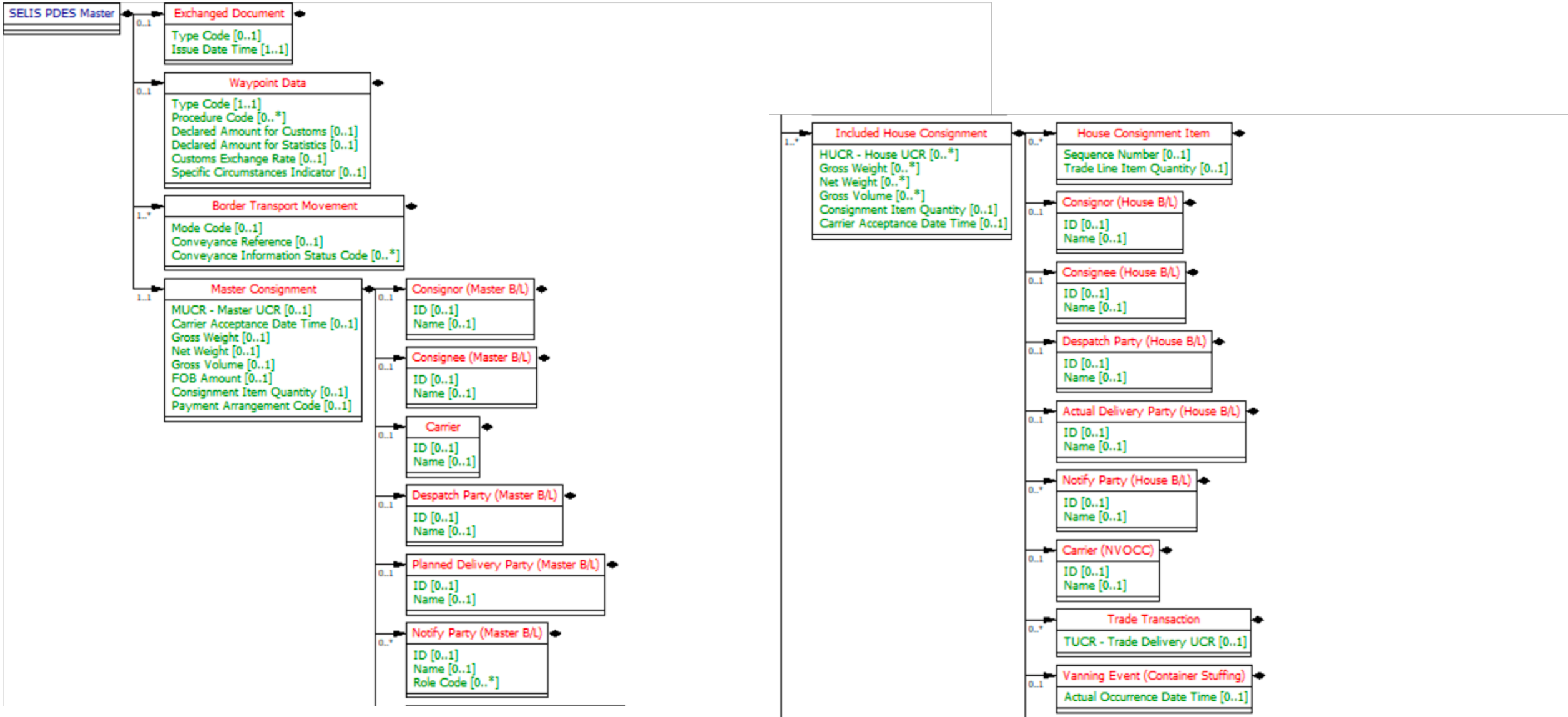
OUTCOMES OF EU CORE

- Pilot Project to trial advanced data to ‘One Government at the Border’
- Mandatory Stops on containers reversed when comparing pipeline data vs manifest
- Arrangements made to allow container to continue journey and local trading standards resource inspect vs stopping at port
- Consideration for AFTC 1/2
- Data model creation as an international standard

PROJECT UPDATE

- **Integration/Piloting phase** of using the data model in real world border environment. Workshops w/c 8th April for project will be reviewing data captured is of right level and quality for use.
- **Completion of BRS** to move this part of the project on, slightly behind on this due to B****T related preparations in the UK.
- **XML** schema is done and some changes going into CCL 2019 release SELIS team have contributed significantly to this and we are also testing with a draft JSON schema, some discussion around adding metadata similar to an envelope in UN/EDIFACT.

PDES


SELIS PDES Master
0..1
Exchanged Document
Type Code [0..1]
Issue Date Time [1..1]
0..1
Waypoint Data
Type Code [1..1]
Procedure Code [0..*]
Declared Amount for Customs [0..1]
Declared Amount for Statistics [0..1]
Customs Exchange Rate [0..1]
Specific Circumstances Indicator [0..1]
1..*
Border Transport Movement
Mode Code [0..1]
Conveyance Reference [0..1]
Conveyance Information Status Code [0..*]
1..1
Master Consignment
MUCR - Master UCR [0..1]
Carrier Acceptance Date Time [0..1]
Gross Weight [0..1]
Net Weight [0..1]
Gross Volume [0..1]
FOB Amount [0..1]
Consignment Item Quantity [0..1]
Payment Arrangement Code [0..1]
0..1
Consignor (Master B/L)
ID [0..1]
Name [0..1]
0..1
Consignee (Master B/L)
ID [0..1]
Name [0..1]
0..1
Carrier
ID [0..1]
Name [0..1]
0..1
Despatch Party (Master B/L)
ID [0..1]
Name [0..1]
0..1
Planned Delivery Party (Master B/L)
ID [0..1]
Name [0..1]
0..*
Notify Party (Master B/L)
ID [0..1]
Name [0..1]
Role Code [0..*]
1..*
Included House Consignment
HUCR - House UCR [0..*]
Gross Weight [0..*]
Net Weight [0..*]
Gross Volume [0..*]
Consignment Item Quantity [0..1]
Carrier Acceptance Date Time [0..1]
0..*
House Consignment Item
Sequence Number [0..1]
Trade Line Item Quantity [0..1]
0..1
Consignor (House B/L)
ID [0..1]
Name [0..1]
0..1
Consignee (House B/L)
ID [0..1]
Name [0..1]
0..1
Despatch Party (House B/L)
ID [0..1]
Name [0..1]
0..1
Actual Delivery Party (House B/L)
ID [0..1]
Name [0..1]
0..*
Notify Party (House B/L)
ID [0..1]
Name [0..1]
0..1
Carrier (NVOCC)
ID [0..1]
Name [0..1]
0..*
Trade Transaction
TUCR - Trade Delivery UCR [0..1]
0..1
Vanning Event (Container Stuffing)
Actual Occurrence Date Time [0..1]

Thank You

CIF Consulting
Connect
Innovate
Facilitate

David Roff

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https://uncefact.unece.org/display/uncefactpublic/Pipeline+Data+Carrier

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