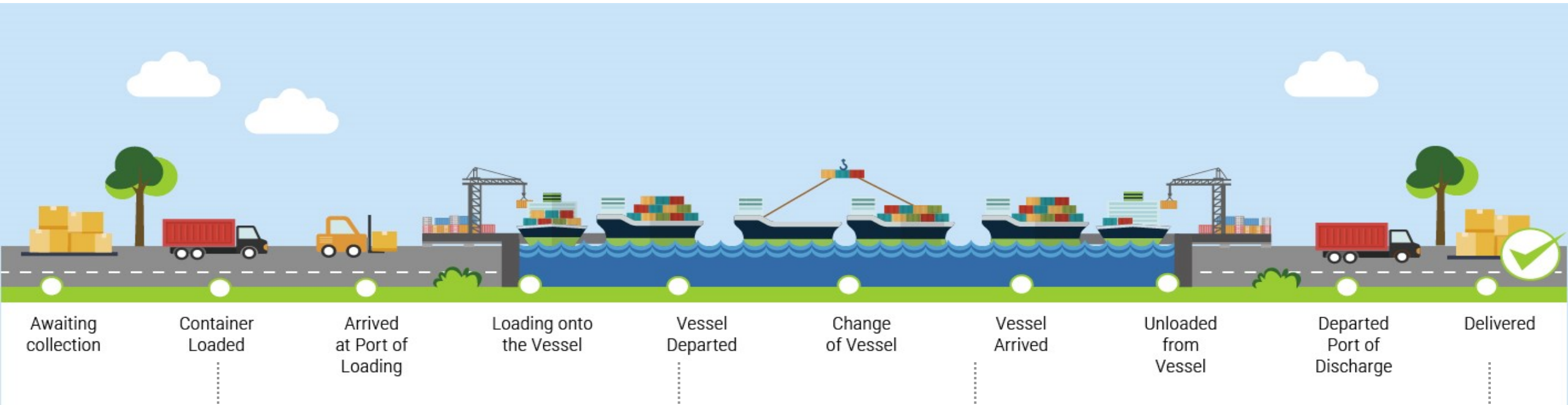


Data Pipeline Project

Liverpool June 2018

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

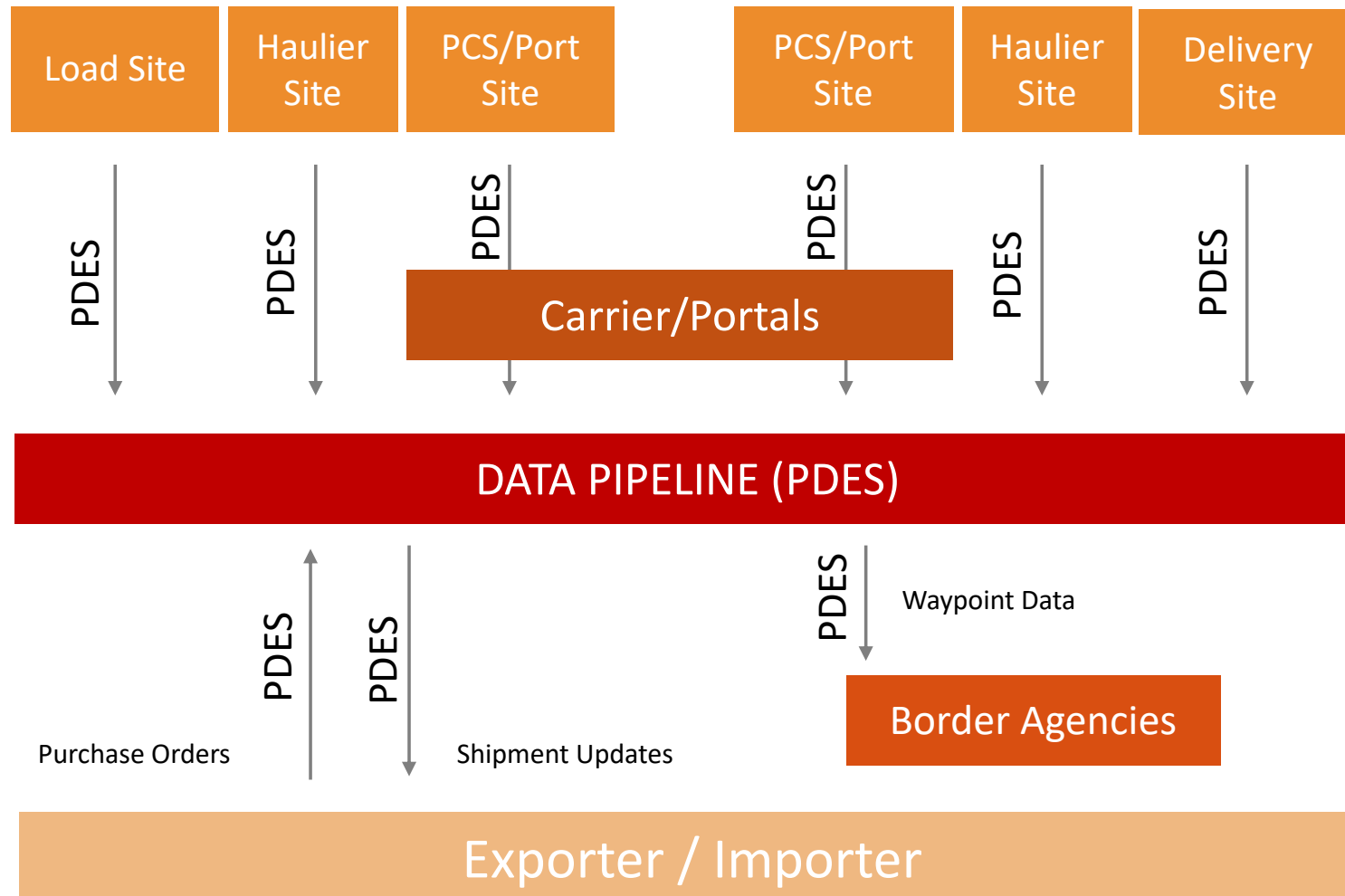
Parties

- Actual Delivery Date

Goods

- No Packages
- Declared Amounts (if different)

Right Data, Right Place, Right Time



Project Update

- Started back on the BRS but will be liaising with Ian Watt and Harmonization PDA to review if/how this fits future process driven outputs.
- Complete the model and work towards publication
- SELIS project have adopted the model – we will be producing a JSON schema also.
- Commercial interest in pipelines and PDES
 - Blockchain
 - Automotive
 - Border Force.. Others ..

Data Source Comparison

- Supply Chain 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 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 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

