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## Single Window Conference

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From Border-Crossing Supporting Documents  
to Legally Significant Data Exchange

23 April 2018  
Geneva, Switzerland

# Information exchange through the Data Pipeline principle

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speaker



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## Background

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Wrong Data

Wrong Person

Wrong Time

## FOUNDING PRINCIPLES

EU projects Cassandra and CORE - David Hesketh (ex HMRC) and Franck Heijmann (NL Customs).

"A web-based, seamless, electronic data 'pipeline' linking seller/consignor and buyer/consignee and interested economic operators in-between."\*

\* Keynote speech:

Hesketh / Heijmann, 1st Workshop on IT Innovations Enabling Seamless and Secure Supply Chains, August 29, 2011.

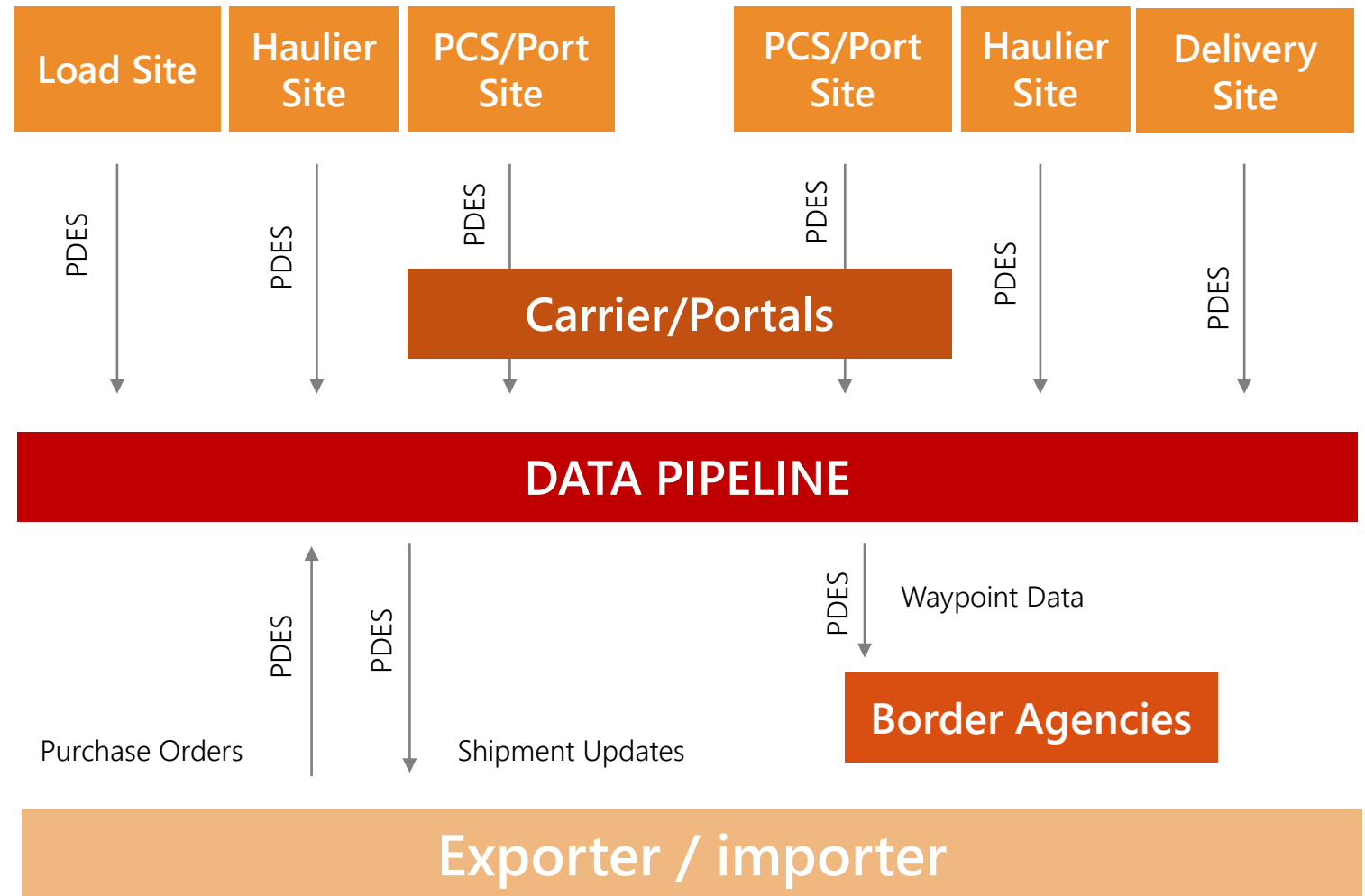
## Definitions

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- **Pipeline:** "  
... a combination of an operating system or backbone and a series of commercial and logistics milestones ...." (David Hesketh, CORE WP10)
- **Pipeline Data Exchange Structure (PDES):**  
Standardised data syntax used. (UN/CEFACT Buy-Ship-Pay Reference Data Model)
- **Pipeline Extraction:**  
Milestones or Waypoints at which pipeline data is uploaded to or extracted from pipeline operating systems.
- **Waypoint:**  
A significant intermediary point on a supply chain route.

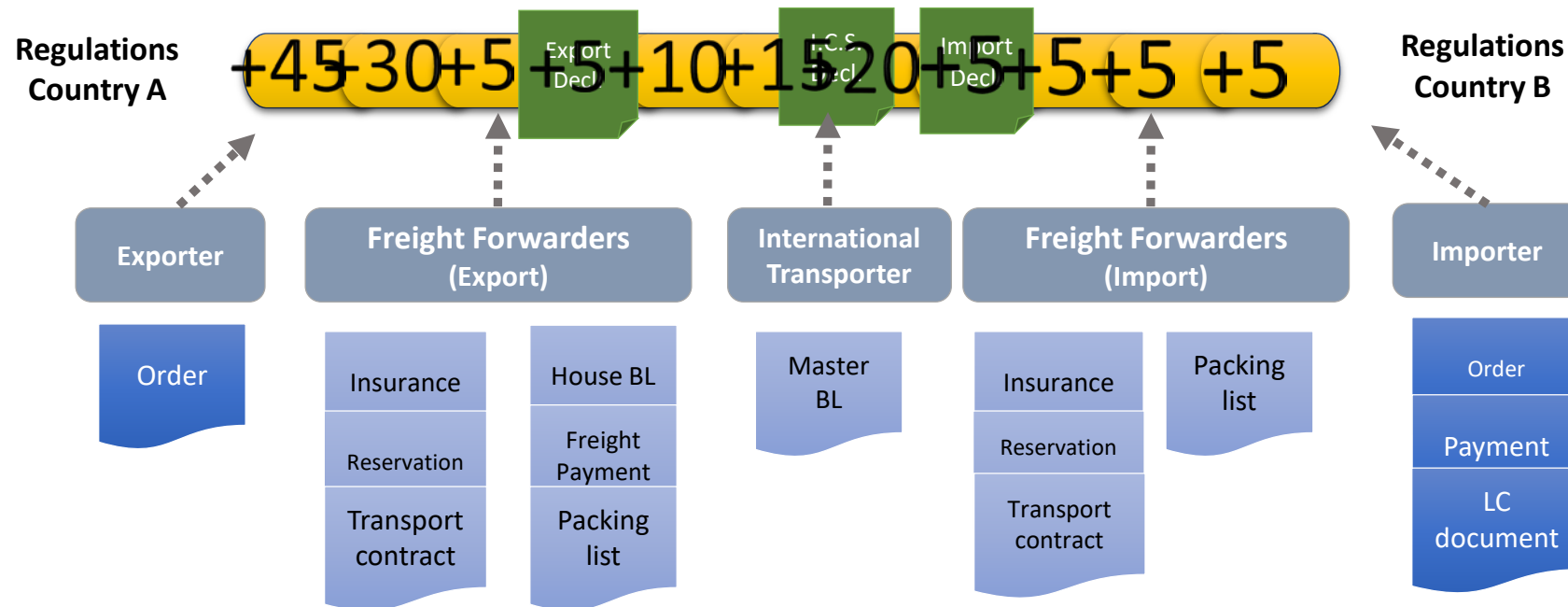
## Data from the source

Right data  
Right person  
Right time

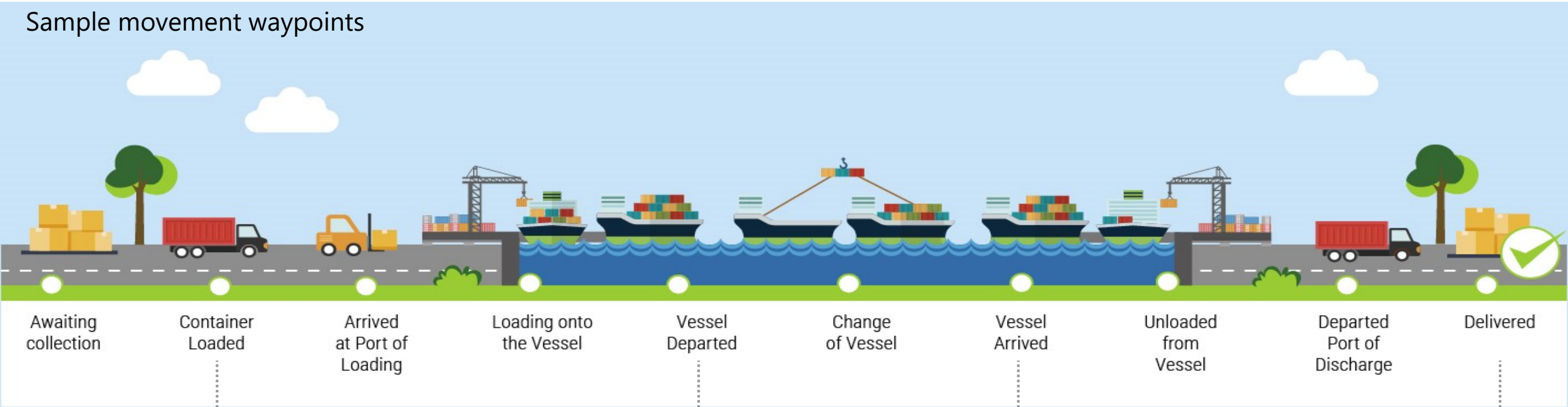


# How does it work?

UN/CEFACT  
Reference data models  
Single data entry  
Data snippets



## Sample movement waypoints



### **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)



## Benefits

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### Cross-border agencies

- Data provided earlier
- Better quality data: more precise, more detail
- Better risk analysis and risk management
- Better use of resources for tackling illegitimate trade



### Traders

- Better Supply Chain visibility
- Less cross-border delays
- More accurate ETAs
- Reduced cross-border costs
- De-risking the Supply Chain

## What now?

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UN/CEFACT  
T&L Domain

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Pipeline Project  
White Paper  
Global Standardized PDES



SELIS  
Living Lab 7

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Standardising Supply Chain data  
Creating pipeline data exchange structures  
Demonstrating uses

# Thank you



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