



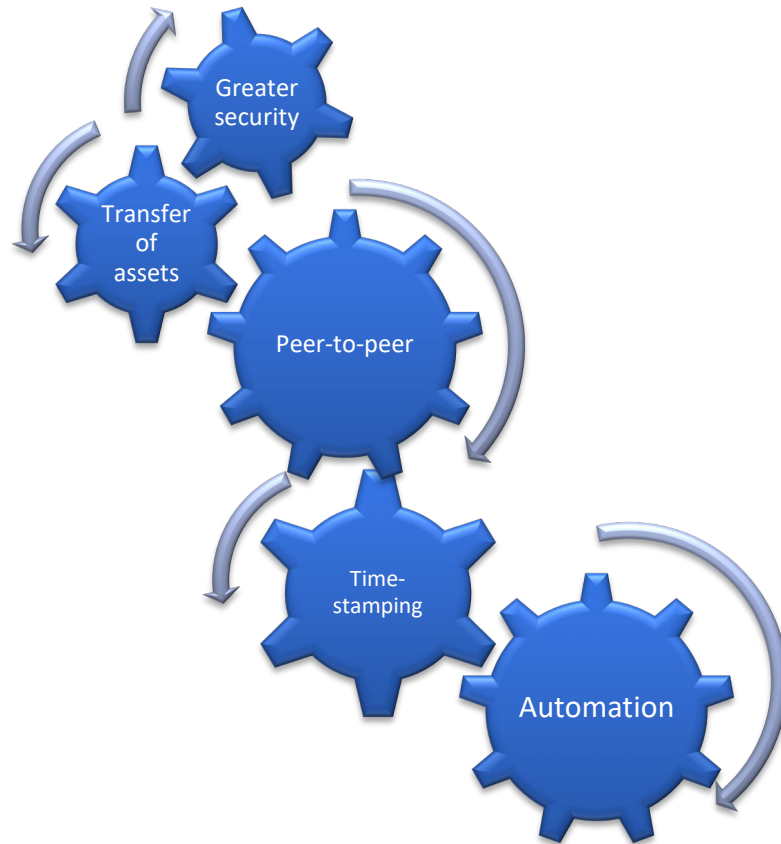
# Blockchain platforms in trade

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World Trade Organization

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1. Key features and key benefits
2. DLT platforms in trade
3. Key issues to address

# 1. Key features and key benefits



**TRANSPARENCY**

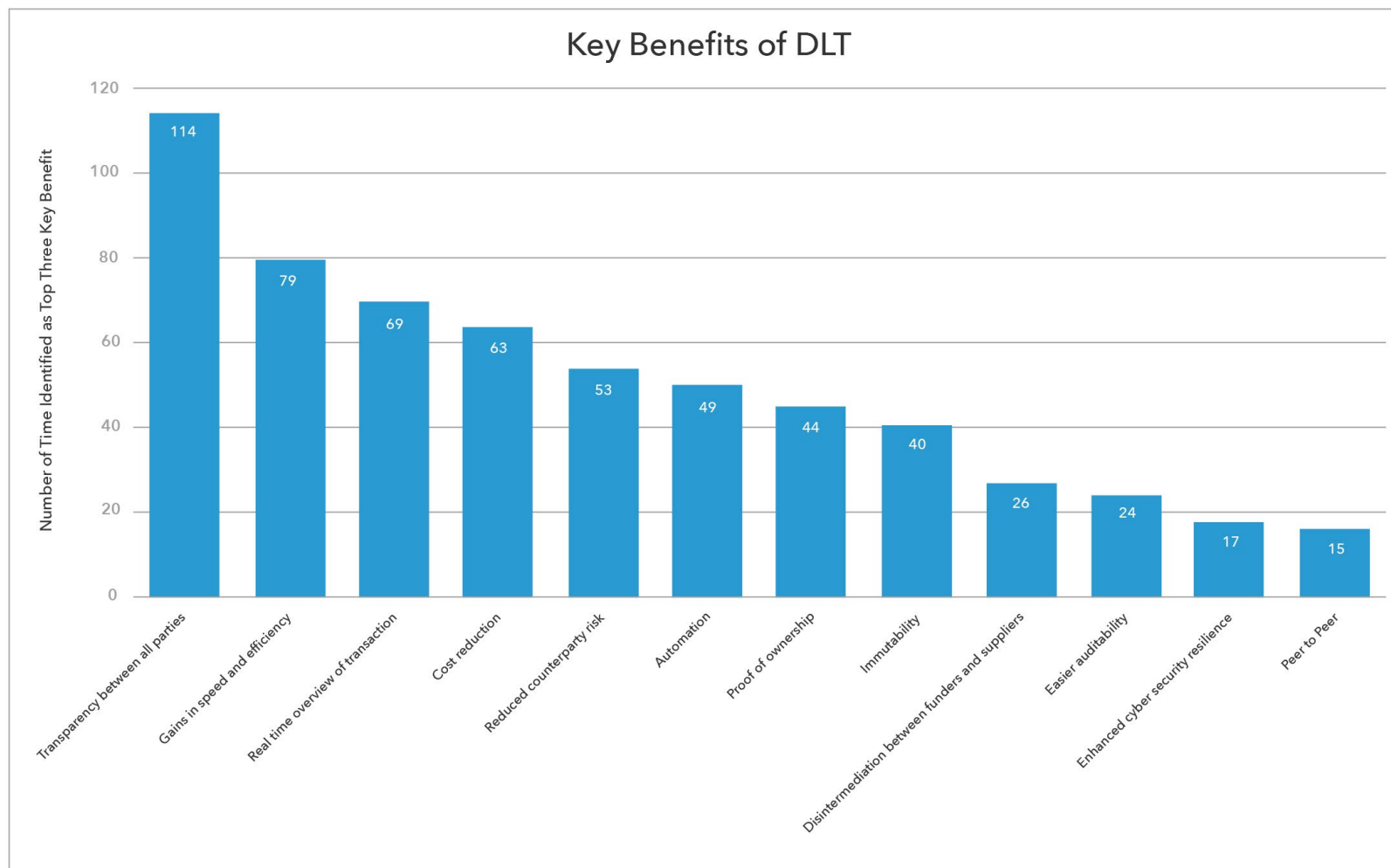
**TRUST**

**TRACEABILITY**

**PEER-TO-PEER / REAL TIME**

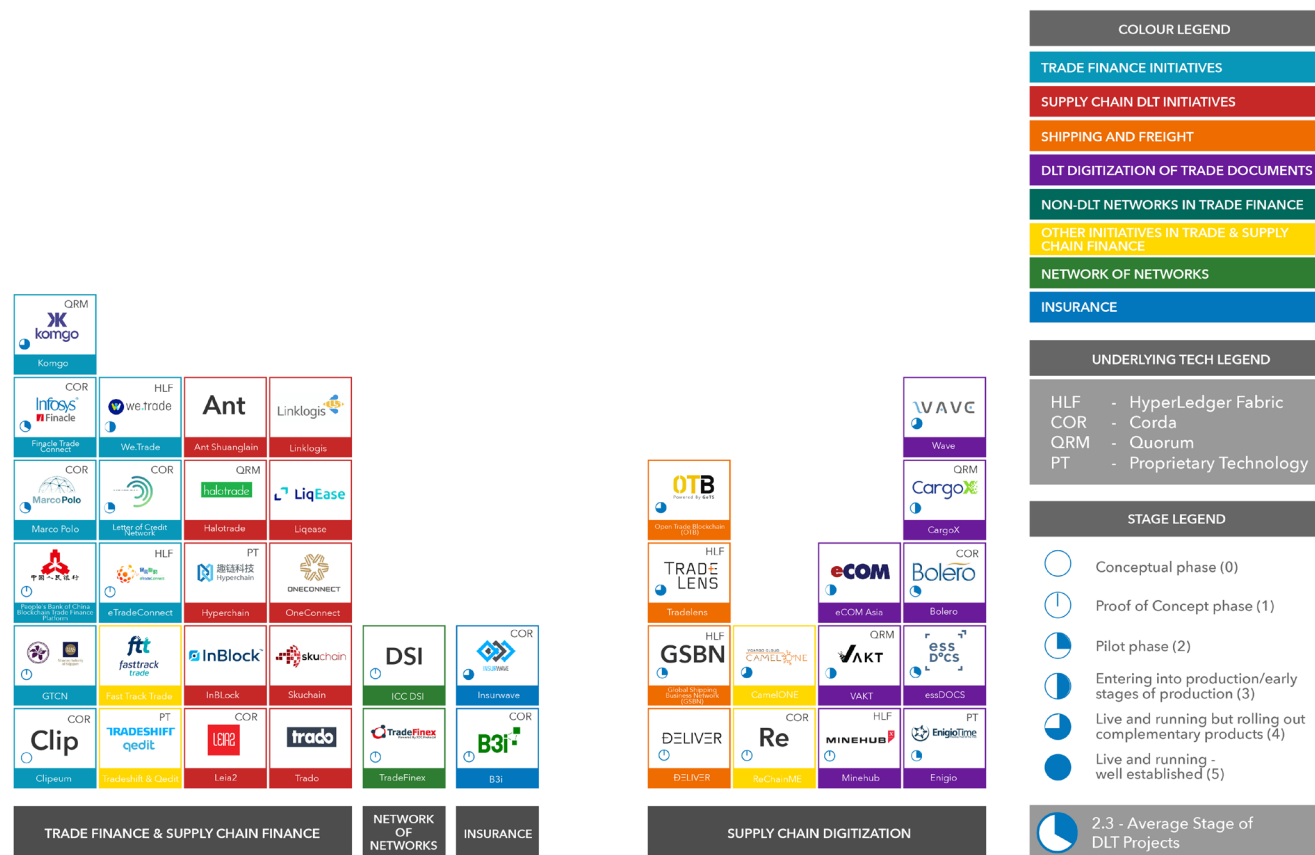
**Smart contracts**





Source: Blockchain and DLT in Trade: A Reality Check (2019)

## 2. DLT platforms in trade



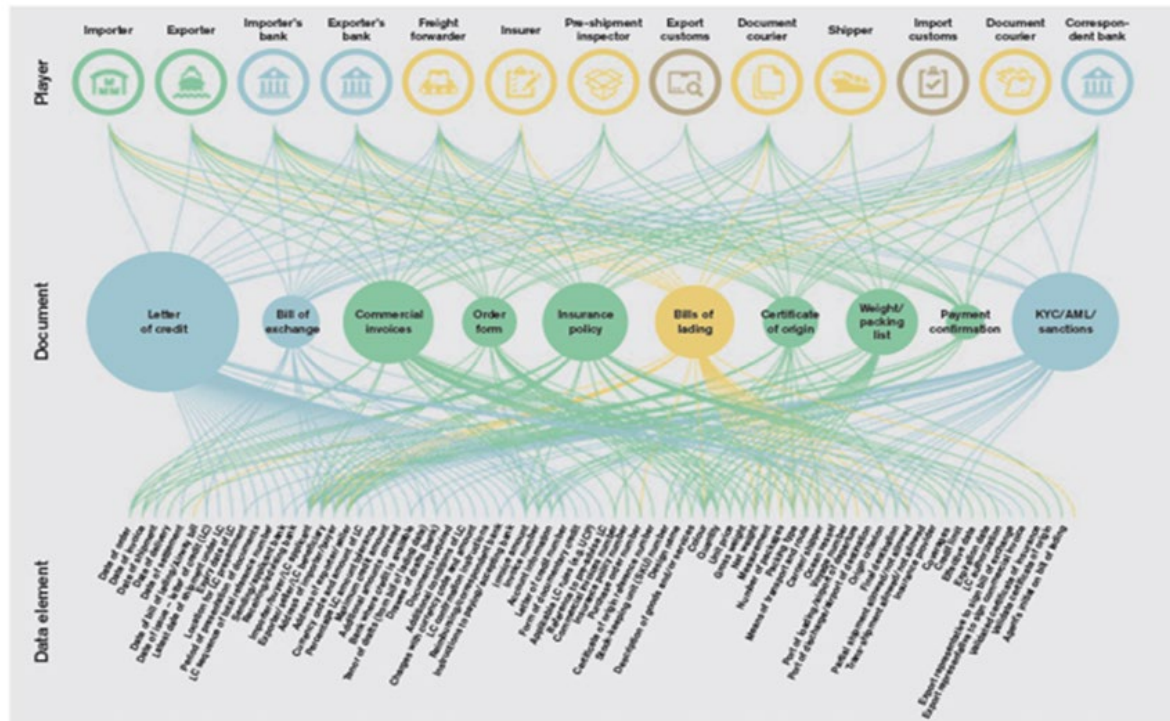
Source: Blockchain and DLT in Trade: A Reality Check (2019)

# Multiple challenges

1. Inefficiencies due to paper-based documentary transactions

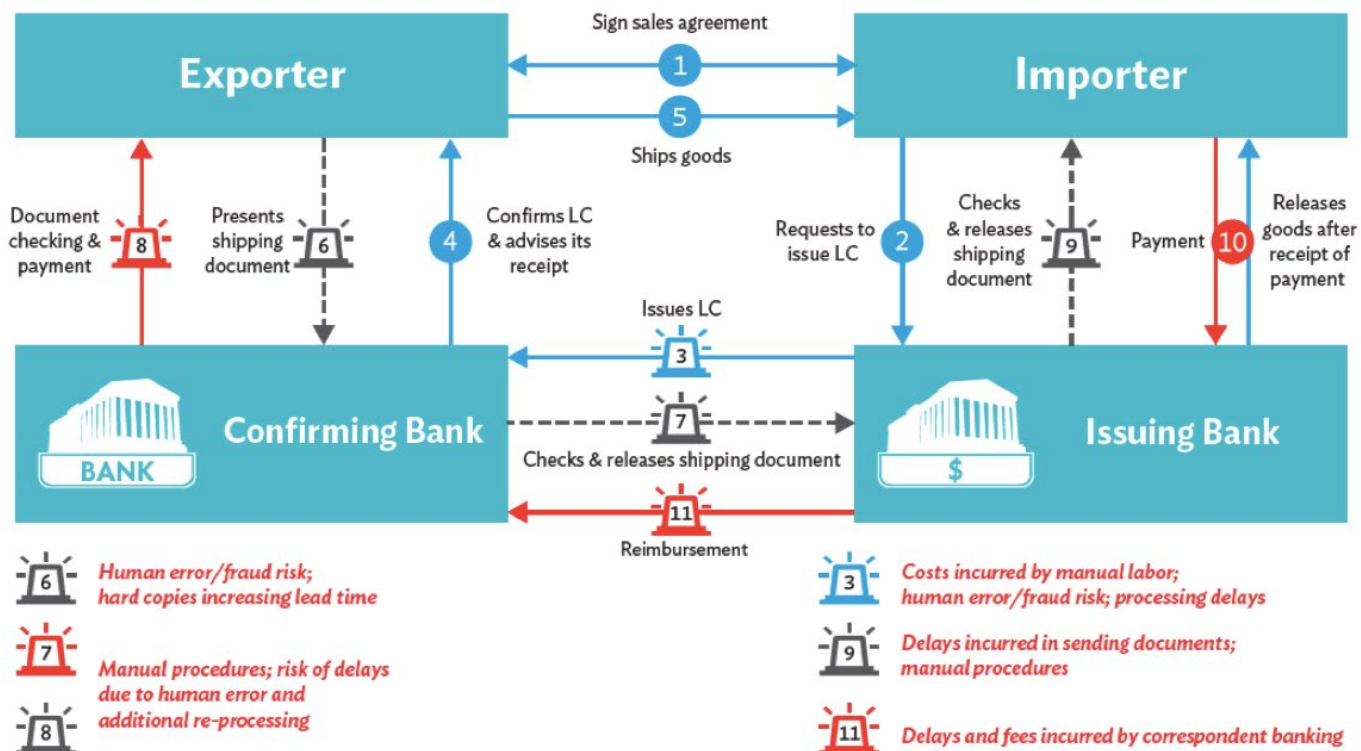
## 1. Inefficiencies due to paper-based documentary transactions

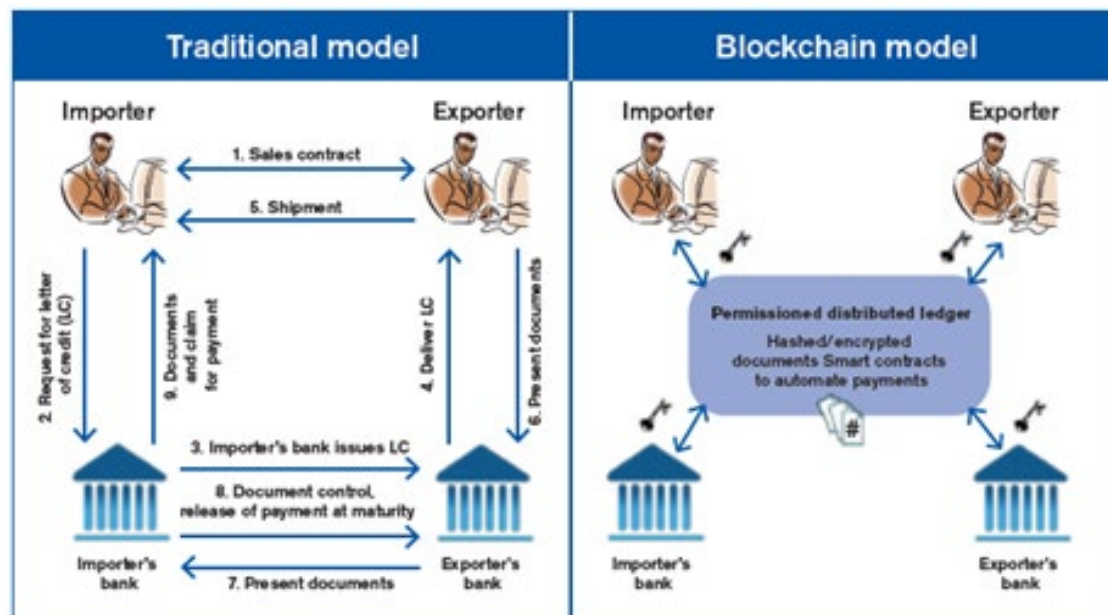
### Actors and documents involved in a trade finance transaction



Source: Boston Consulting Group (2017).

## Risks in Letter of Credit transactions

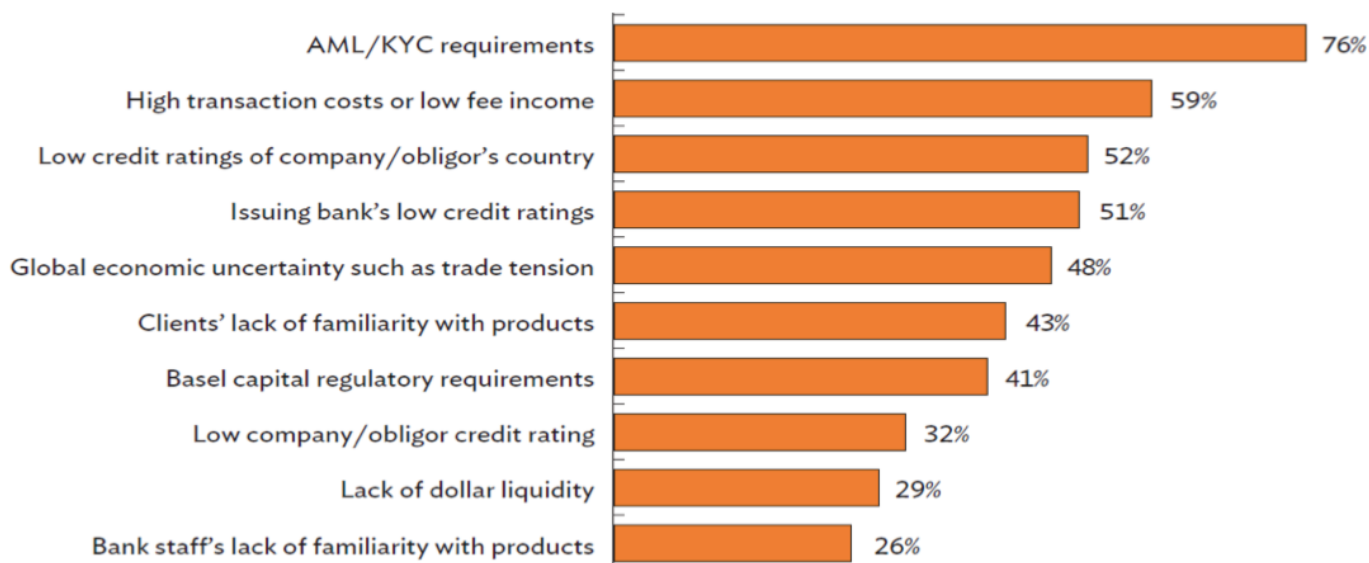




Source: Ganne (2018)

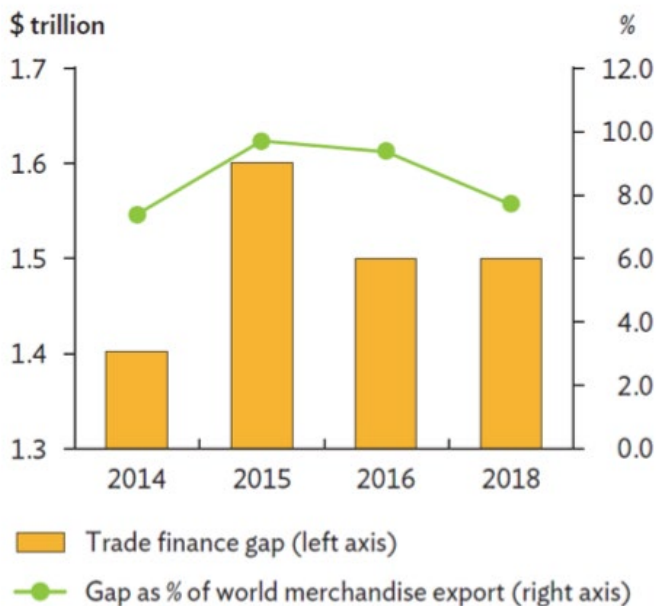
## 2. Regulatory compliance requirements increase trade finance costs

**Obstacles and Concerns to Trade Finance Growth**  
(% of respondents agreeing on barriers to trade finance)

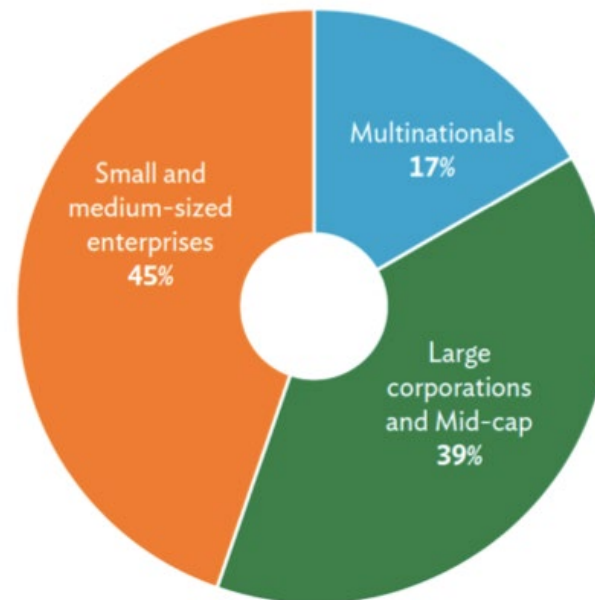


### 3. The USD 1.5 trillion trade finance gap affects primarily SMEs

Global Trade Finance Gap, 2014–2018



Trade finance rejections by firm size, 2018



# Trade finance platforms



**Open account:** We.trade, Komgo, Marco Polo, Finacle Trade Connect

**Letters of credit:** Contour (ex Voltron), Komgo, Finacle Trade Connect

**SME focus:** We.trade

# Supply Chain Finance

Supply  
Chain  
Finance  
Initiatives

SCF

Halotrade



→ transparency, traceability, de-risking,  
ethical/sustainable sourcing

# Market places

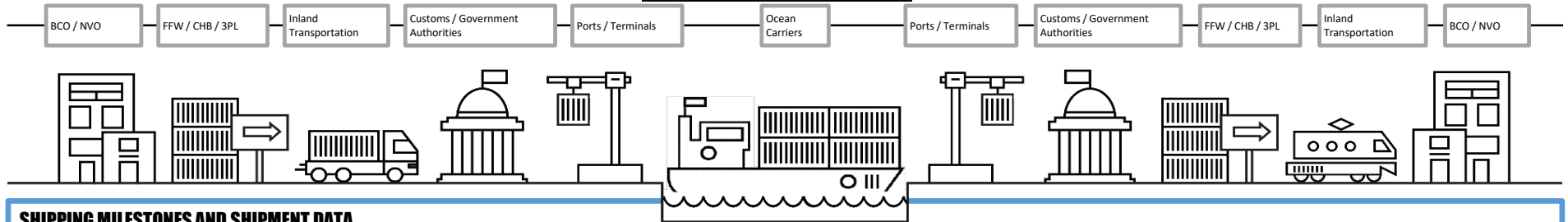


- Buyer-seller match-making platform
- Helps SMEs build a credit history (traceability)

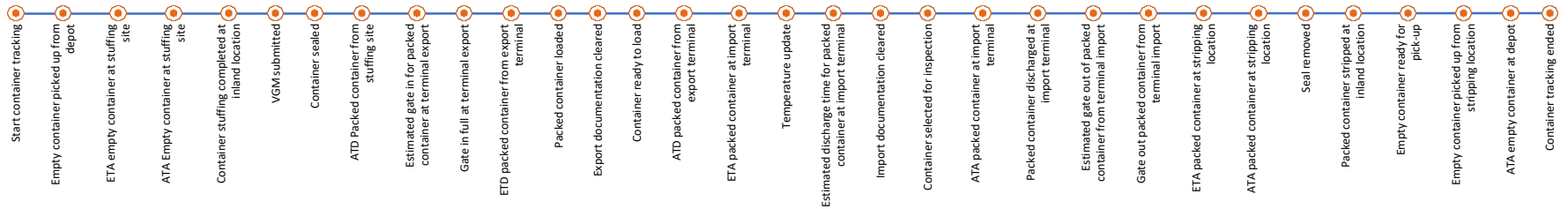
# Transportation and logistics



# TRADELENS

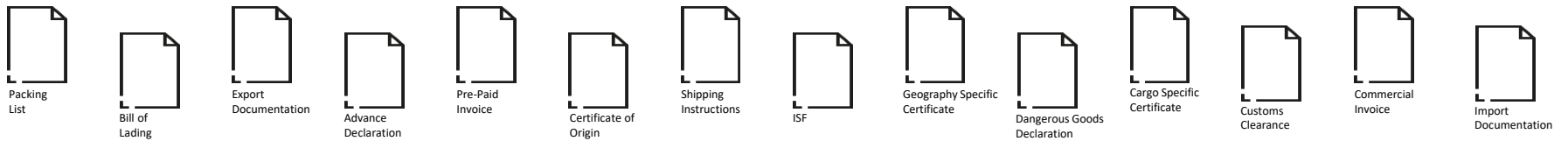


## SHIPPING MILESTONES AND SHIPMENT DATA



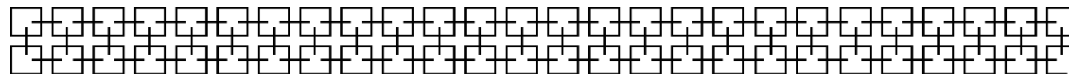
Not exhaustive list of milestones managed by platform

## STRUCTURED AND UNSTRUCTURED DOCUMENTS



Not exhaustive list of documents managed by platform

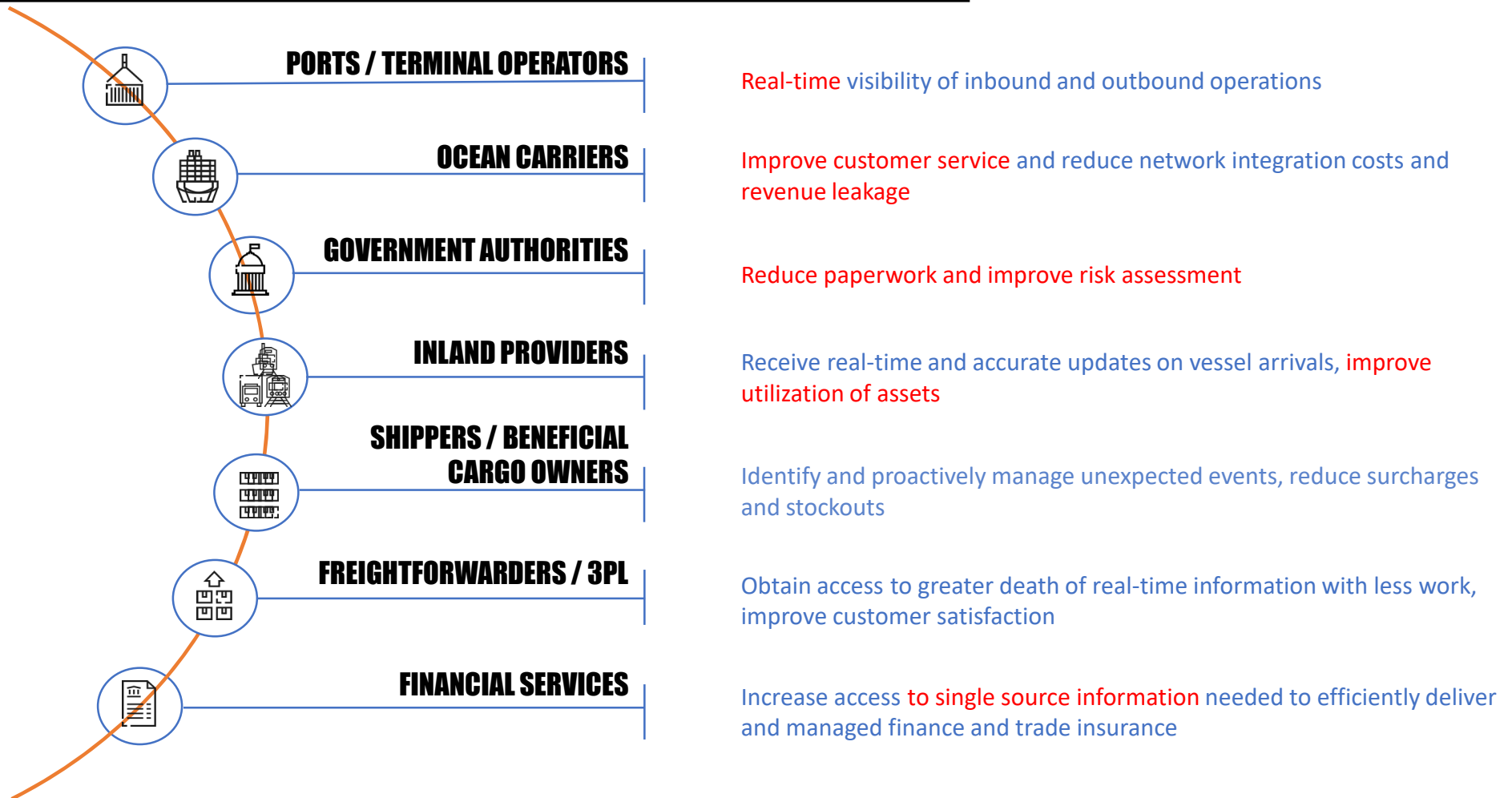
## TRADELENS BLOCKCHAIN BUSINESS NETWORK



## TRADELENS PLATFORM

Source: Tradelens

# TRADELENS



Source: Tradelens

# Trade documentation

→ Some digitalization projects of interest



essDocs joins Contour following paperless iron ore transaction

# AEO Programmes



## CADENA, a blockchain enabled solution for the implementation of Mutual Recognition Arrangements/Agreements

Challenges with AEO MRAs:

- manual process of sharing sensitive and/or confidential data with low standards of security and integrity
- difficulty to establish the provenance and traceability of the data and to guarantee secure access
- inability to grant AEO benefits in real time
- inability to react in real time when a suspension occurs

# Covid-19: when tracking and agile supply chains become vital

→ Connecting platforms and market places to ease supply chain disruptions

The IBM logo, consisting of the letters "IBM" in a bold, sans-serif font.

IBM Rapid Supplier Connect

The TYMLEZ logo, featuring a stylized blue icon of a person or a network node to the left of the word "TYMLEZ" in a bold, sans-serif font.

### 3. Key issues to address

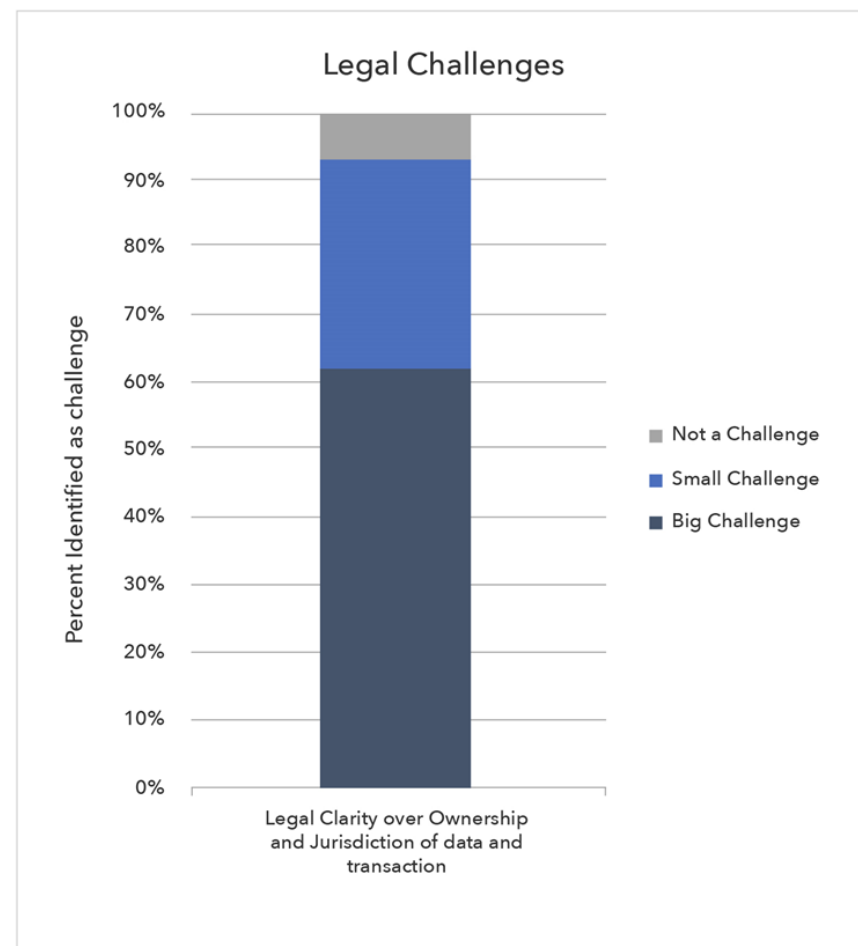
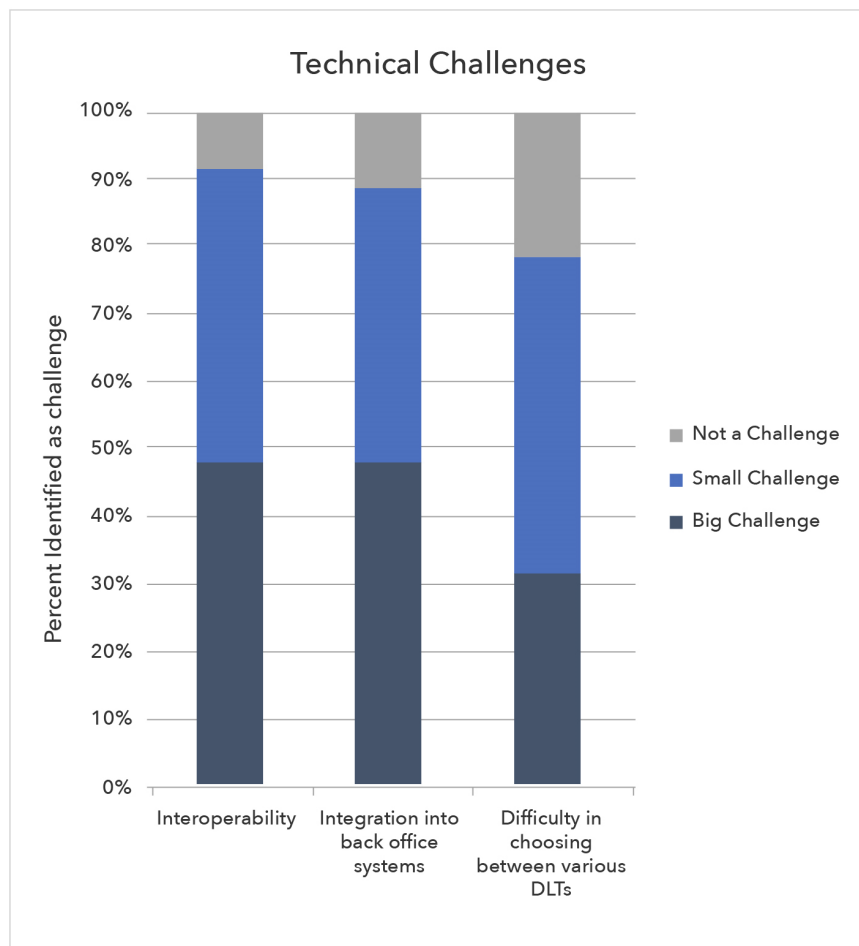
#### Interoperability

- Technical, semantics, data models, processes

#### Regulatory issues

- Regulation as an enabler (e-signatures, e-documents, MLETR); regulatory challenges

#### Governance of the platforms



Source: Blockchain and DLT in Trade: A Reality Check (2019)

# Thank you for your attention!

