

# A global perspective

Optimising Customs information flows  
enhance Trade Facilitation & ensure improved compliance.

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International Customs Expert



# IPCSA Customs Webinar 17<sup>th</sup> May 2021



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- WTO Trade Facilitation Agreement stimulates especially emerging economies and developing countries
  - Increased global competition, reduced inventory at companies increase 'just-in-time' deliveries
  - Continued Safety and Security threats.
  - COVID-19 measures lead to reduced human intervention
- Fast evolutions in digitising the transport sector offers new 'on-line' data to cross-border agencies
- Progress of data science opening new opportunities for risk management and scientific anti-fraud approach

# MAIN DRIVERS FOR OPTIMISING CUSTOMS INFORMATION FLOWS

# WTO Trade Facilitation Agreement stimulates especially emerging economies and developing countries



**ARTICLE 1**  
Publication and Availability of Information



**ARTICLE 5**  
Other measures to enhance impartiality, non-discrimination and transparency



**ARTICLE 9**  
Movement of goods intended for import under customs control



**ARTICLE 2**  
Opportunity to comment, information before entry into force and consultations



**ARTICLE 6**  
Disciplines on fees and charges imposed on or in connection with importation and exportation and penalties



**ARTICLE 10**  
Formalities connected with importation, exportation and transit



**ARTICLE 3**  
Advance Rulings



**ARTICLE 7**  
Release and Clearance of Goods



**ARTICLE 11**  
Freedom of transit



**ARTICLE 4**  
Procedures for appeal or review



**ARTICLE 8**  
Border Agency Cooperation



**ARTICLE 12**  
Customs Cooperation



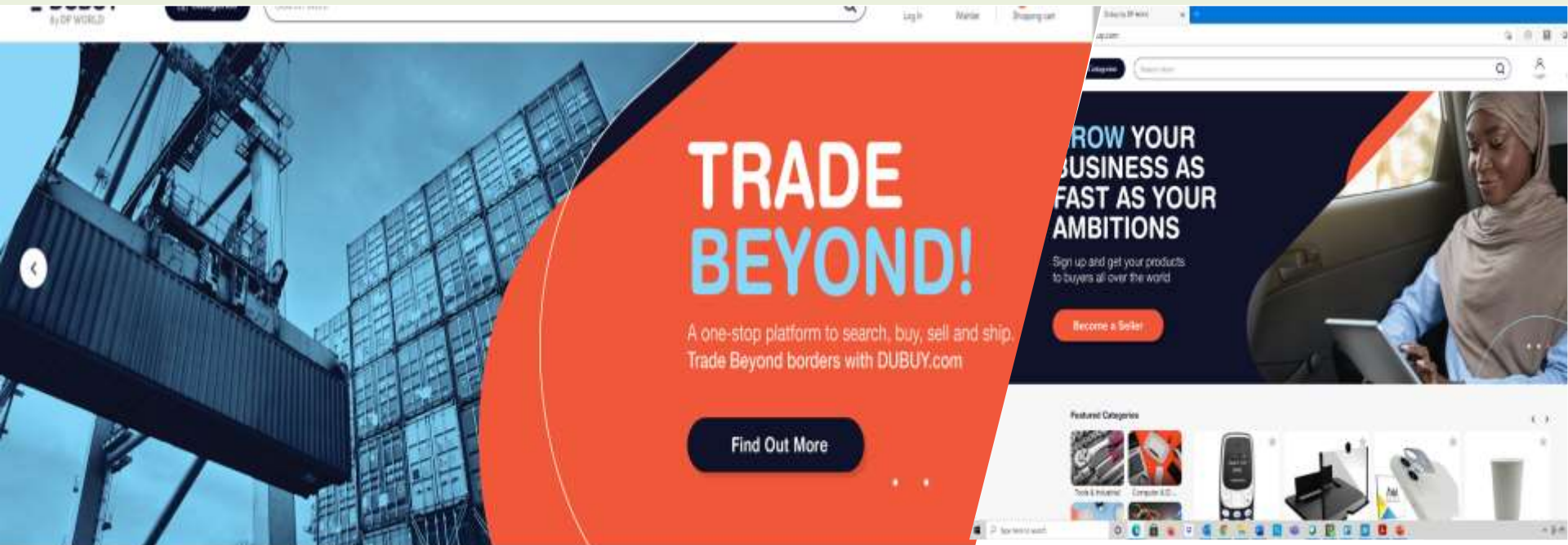
Additional annual growth between 0.34 and 0.54 %  
(WTO Source)





# What Trade Facilitation can do in Rwanda and in Kenya !

[www.dubuy.com](http://www.dubuy.com)



Increased global competition, reduced inventory at companies increase 'just-in-time' deliveries

- Pre-arrival declarations (info upon arrival on release or inspection)
- Pre-clearance (release prior to arrival)
- Increased access to simplified procedures related to 'know your customer' (KYC) and 'Trusted Trader' programmes (AEO-C)



Continued Safety and Security threats.

Continued efforts to build 'AEO Security' Programmes

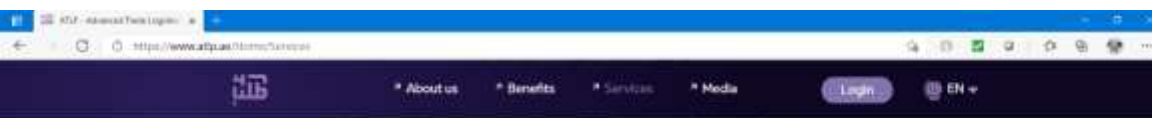
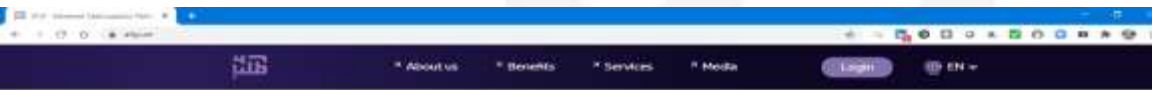
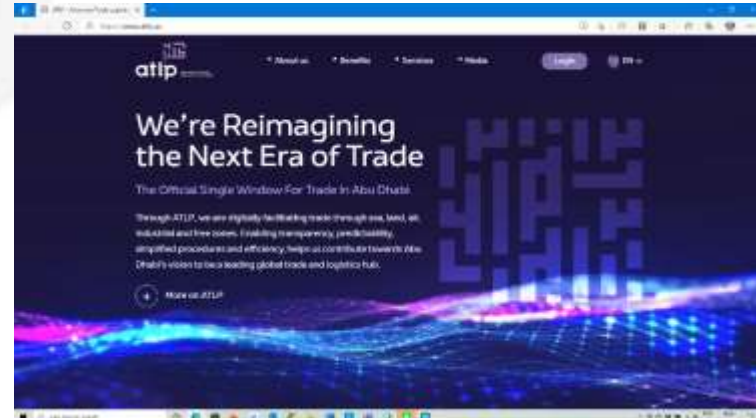
- ✓ Safety and Security related
- ✓ Real advantages for AEO (less delays, less inspections, less data required, etc.)
- ✓ Efforts to include other cross-border government agencies



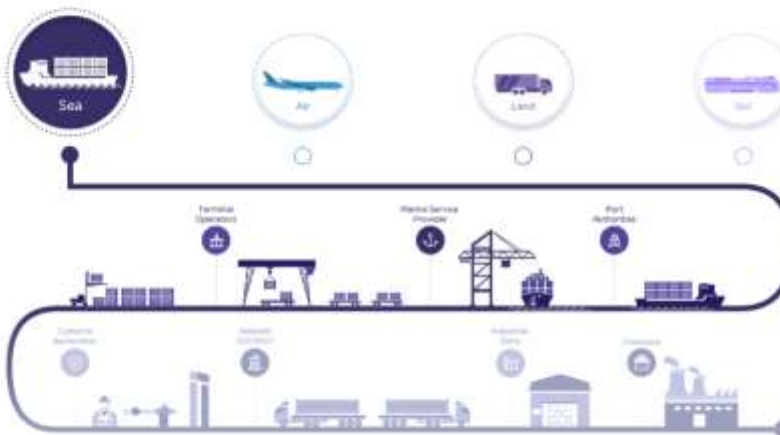


COVID-19 measures lead to reduced human intervention

Fast evolutions in the digitising the transport sector offers new 'on-line' data to cross-border agencies



activity, according to international standards in transport logistics and commerce.



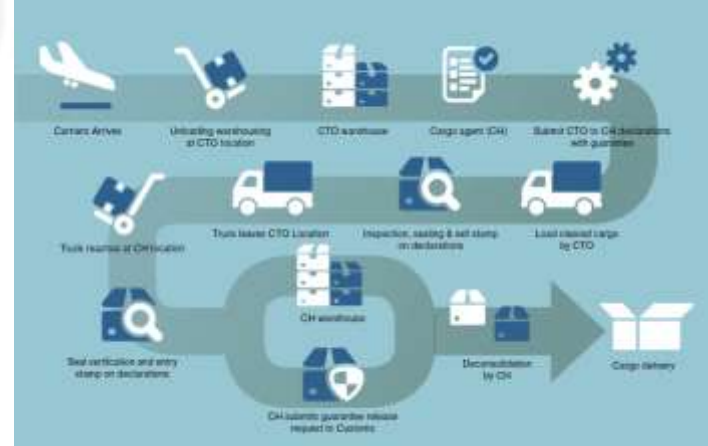
Global trend towards 'Advanced Logistics Trade Platforms' to integrate border & (air)port cross-border information/data & automated operations in a single digital seamless process



# Need to simplify and speed up movement of goods as part of trade facilitation

- Interesting digitalisation initiatives are:

- ❑ 'eTIR' where the paper carnet used for customs transit is replaced by standardised electronic messages
- ❑ 'eATA' where the paper Carnet used for Temporary Admission is replaced by electronic information exchange
- ❑ 'eCMR' where the internationally used paper transport document is replaced by electronic information
- ❑ 'eCN22' or 'eCN23' for postal traffic and eCommerce



## Which direction are we going?

Increasing interest world-wide for establishing digital 'virtual' customs corridors



Emerging high-tech initiatives to supervise movement of goods under customs control moved inside or between (air)ports, or with bonded warehouses and free zones.







## High-Tech Controlled Corridors



What technologies can be used at emerging high-tech initiatives to supervise goods (and vehicles) under customs control ?

- Goods movement control: RFID, ANPR, GPS tracking, eSeals, etc.
- Information exchange & monitoring: Blockchain, cloud technology, company ERP systems, etc.
- Access control at departure & arrival: reading of electronic badges
- Integrity of cargo: eSeals, smart containers
- Risk management: risk engine, using AI & historic & structured & unstructured info, risk profiles, targeting, etc.



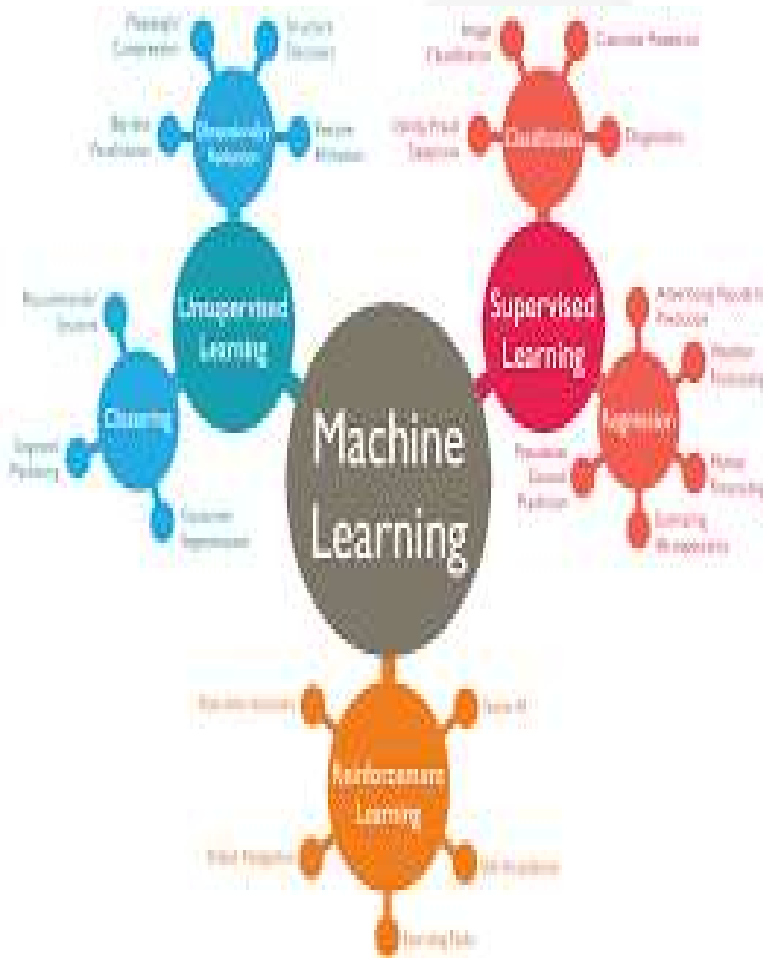
## 2 examples of High-Tech Control of movement and goods

- ❑ 'ePort' in Morocco to manage traffic & goods movements inside the ports
- ❑ Bonded corridors in UAE & KSA
- ❑ Advanced Trade Logistics Portal (ATLP) in UAE, Dubai, Singapore, etc.



# Progress of data science opening new opportunities for Customs risk management and scientific anti-fraud approach

**Machine learning** covers a range of statistical techniques giving computers the ability to learn. They progressively improve their capacity to execute a task.





# Progress of data science opening new opportunities for risk management and scientific anti-fraud approach



**Natural-language processing:** an area of AI concerned with the interactions between computers and human (natural) languages.

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Progress of data science opening new opportunities for risk management and scientific anti-fraud approach

More and more the use of Digital Twin technology is used for customs control of cross-border logistics processes.

Digital twins are virtual replicas of physical objects and/or processes that data scientists use to run simulations of actual or planned operations.

Digital Twins support & optimise technologies such as IoT, AI and analytics.

# How to know what's evolving in the customs world?

Public information on data related customs innovation research by Pan-European Network of Customs practitioners (PEN-CP) @ <https://www.pen-cp.net/> Studies, Magazine, YouTube, etc.



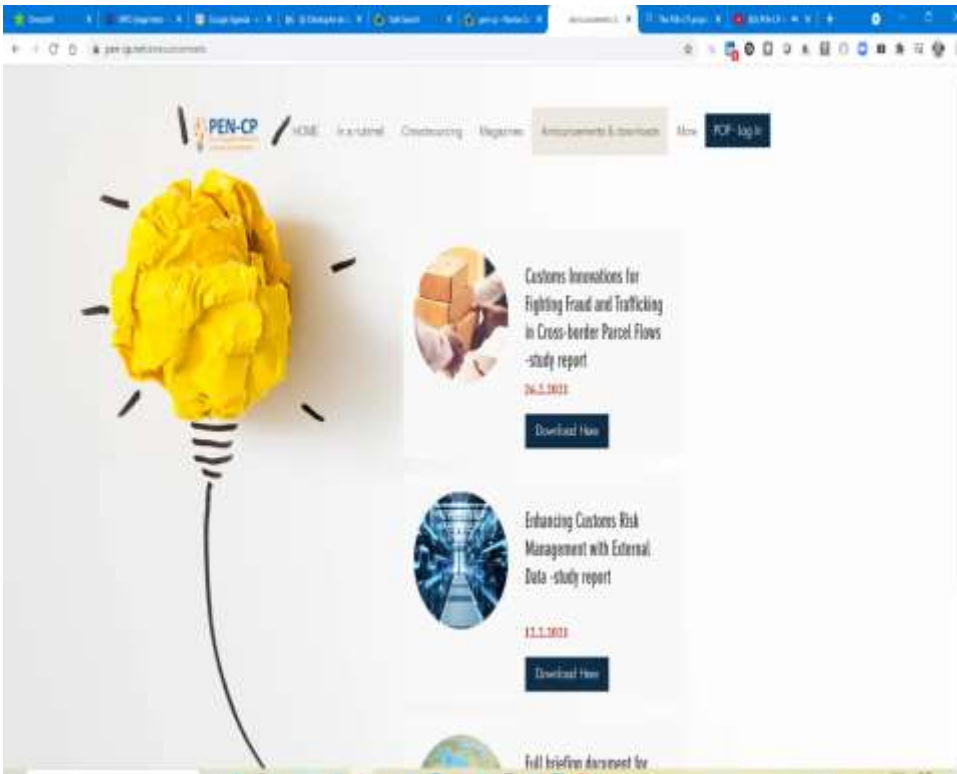
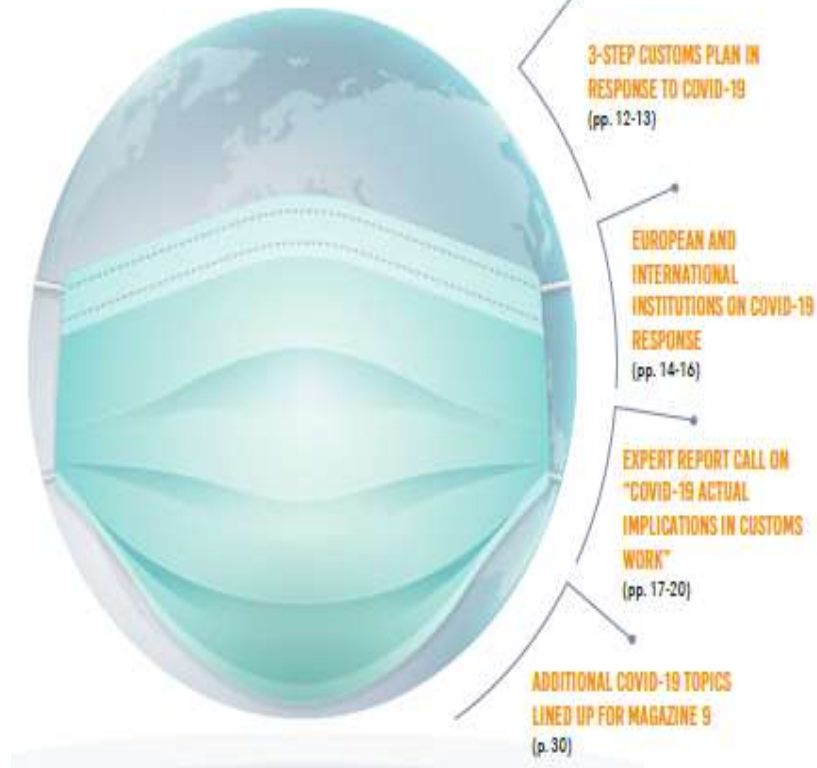
# PEN-CP

Pan-European Network of Customs Practitioners

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# MAGAZINE

## COVID-19 & Customs







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