Connecting EU insights

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Evolutive Customs Corridors
AI and Digitalisation for sustainability, port efficiency and cargo security

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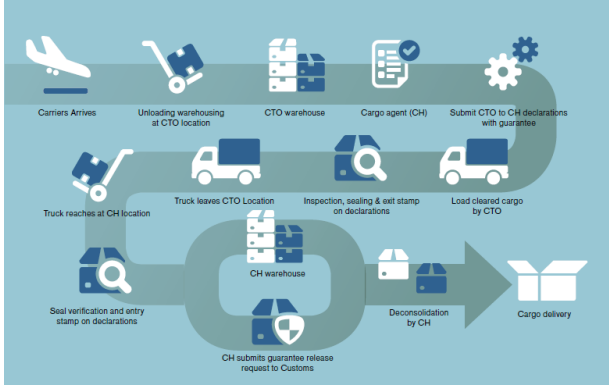
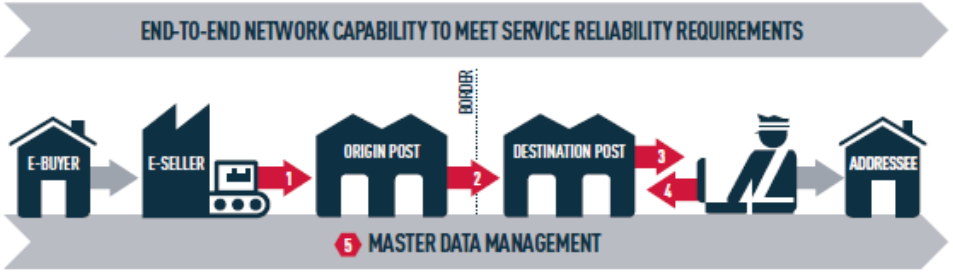
Evolutive Customs Corridors

- *Evolutive Customs Corridors worldwide*
- *EU Customs latest evolutions & EU Action Plan*
- *EU Customs Single window*

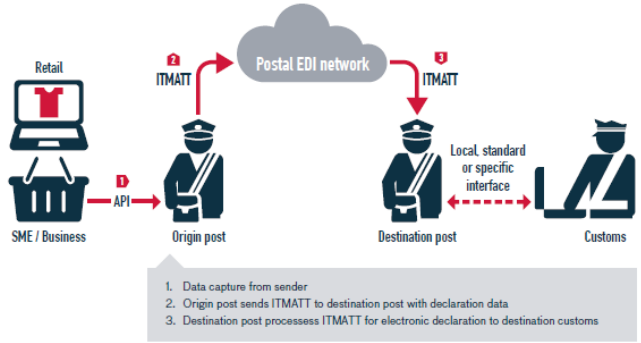
Evolutive Customs Corridors worldwide



- Need to simplify and speed up movement of goods as an element 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



Evolutive Customs Corridors worldwide



- Next step? **Combining electronic transport and customs transit information in a single data set** (similar to the 'data pipeline' concept) used by all competent authorities and concerned private companies. How?
  - ❑ For **rail** the CIM and SMGS are already combined for transport & customs use, but digitalization needs to be further progressed
  - ❑ Use of standardised eManifest for **air and maritime** as an **electronic** transit document
  - ❑ Use of **Postal** 'eCN22 and 'eCN23' as a customs document
  - ❑ For **road** combining eCMR with NCTS or eTIR or eATA could be a next project!
  - ❑ Using transport & transit data for clearance

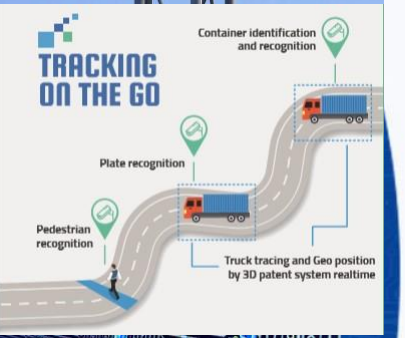
Next step ?
Virtual Customs Corridors

- 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.

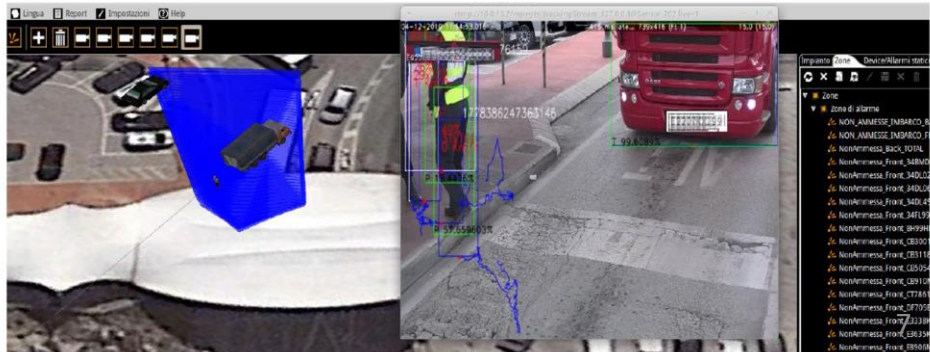


High-Tech Controlled Corridor projects

Italy: SMART- C **AI technological innovation** to improve the traffic of heavy vehicles in the area of the Port of Ancona. **AI technology** allows to manage and control the vehicle flows without on-board units:The system is based on multiple sensors along the road to the final customs clearance location.

Automation procedures and **Tracking & Tracing procedures** speeds up the operations and security of cargo is guaranteed without any stop of the vehicles.

The **Automation procedures** allow to manage the identification of plates inside the defined “controlled area” and allow the passage or not, depending on the authorization level. https://www.onthemosway.eu



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High-Tech Controlled Corridors

2 examples of the many projects outside the EU:

- ‘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.

DMCC · Dubai International Financial Centre · Dubai Design District · Abu Dhabi Airports · Dubai Internet City · Creative City · ZonesCorp · Dubai Airport Freezone · twofour54 Abu Dhabi · Jafza · UAQ · Dubai South · RAKEZ · RAK Free Trade Zone · RAK Investment Authority · Masdar City · Shams

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Evolutive Customs Corridors worldwide

- Increasing global interest for establishing digital customs corridors and integrating them with (air)port systems and company/warehouse/free zone records
- When integrating further, continuously updated data from the seller/exporter/transporter/importer/ buyer can be used as a **single source of information for automated transport & customs procedures**, including risk management.
- **Integrated data from the 'business/customs corridor'** will serve the entire logistics business model.
- **The integrated 'business/customs corridor'** will be very **important for eCommerce**, where up-to-date integrated data covering 'end-to-end' e-commerce transactions will further speed-up and facilitate eCommerce, where maximum pressure is on the automated timely release of small parcels.
- Further efforts are required to enable create & operate a **fully automated smart classification tool** and an **automated customs valuation tool,** to be used at first for eCommerce, but later extended to generalised use.

EU Customs digitalisation and latest evolutions

EU Customs Action Plan 2020

The 17 actions in the Customs Action Plan are grouped under four headings: 1) risk management, 2) managing e-commerce, 3) promotion of compliance and 4) customs authorities acting as one. Key initiatives are:

- **Greater availability and use of data and data analysis for customs purposes**
- **Strengthening obligations on payment service providers and online sales platforms**
- **Single Window environment for customs**
- **A roll-out of modern and reliable customs equipment**
- **International customs cooperation: the EU will work towards an EU-China agreement**
- **Reflection group to be formed for Member States and business representatives to help prepare for future crises and challenges.**

EU Customs Single window

Single Window environment for customs:

- Border formalities to be accomplished in one single portal
- Collaborative processing, sharing and exchange of information with other agencies
- Integration of EU cross-border legislation (animal and plant health, cultural goods, environment protection, product safety, etc.).
- Better integrated risk assessment
- Legal proposal to be presented

Thank you for your attention!
Questions ?

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