



ACCUDIRE

Your export. Made simple.



Blockchain, public-private connections, and e-CMR

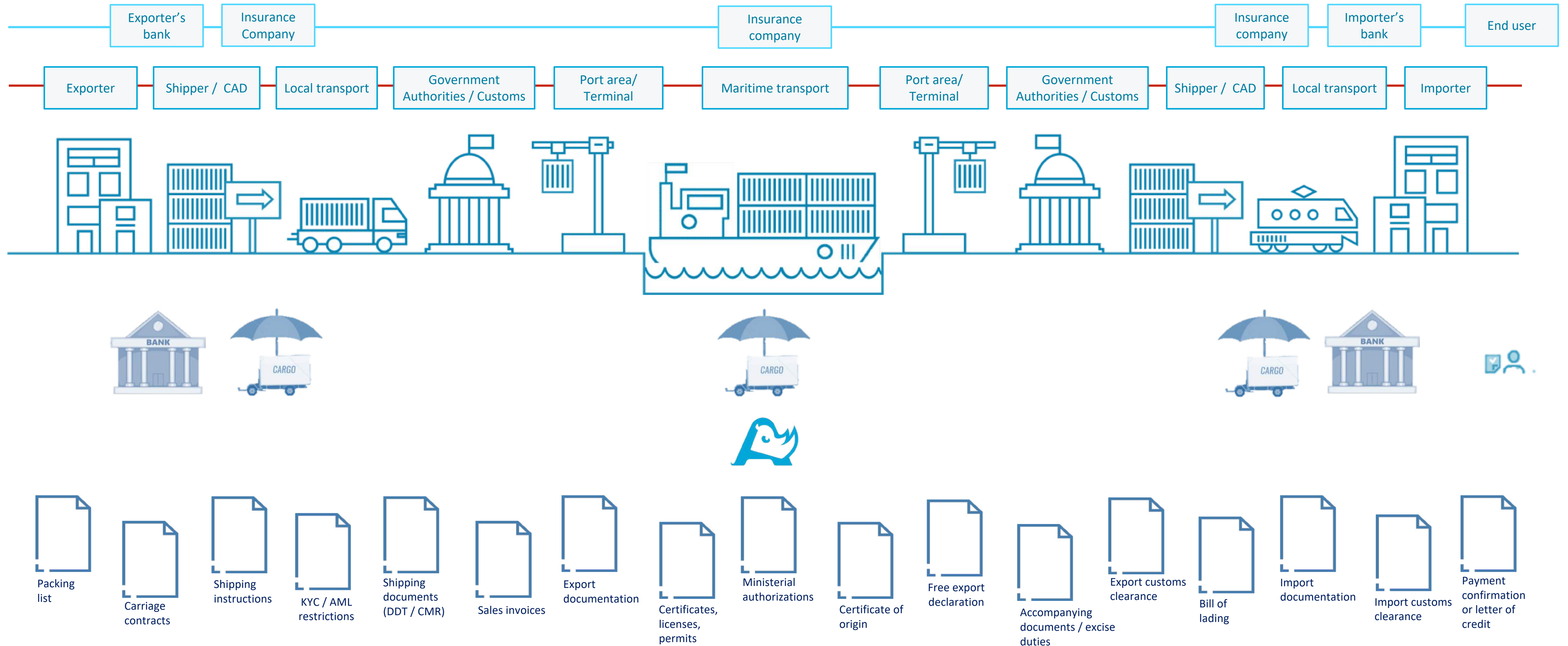
Speaker:
Abramo Vincenzi
CEO of ACCUDIRE

Kering Eyewear- Logistics Headquarters

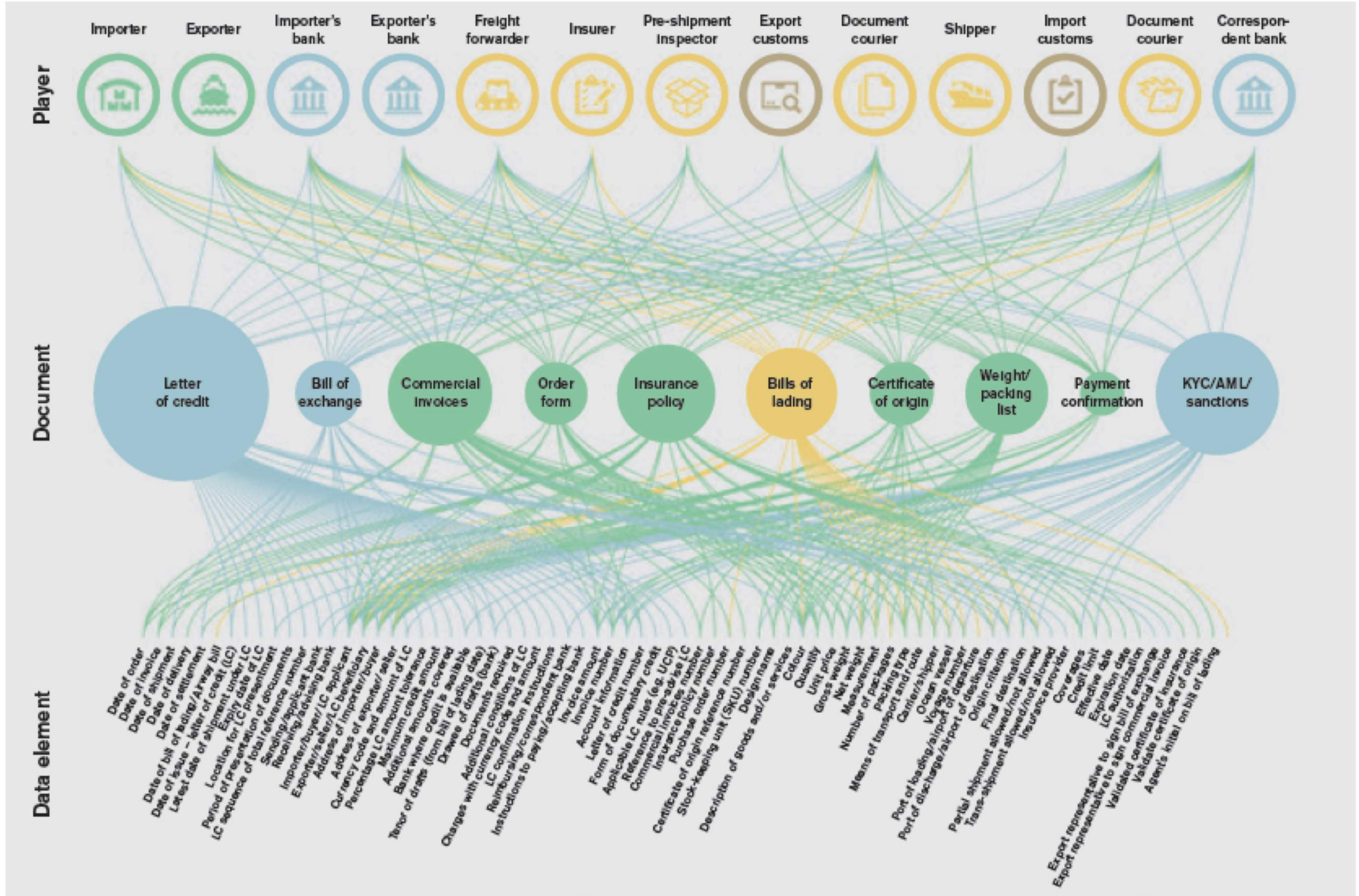
July 19th, 2022



THE FLOW OF STRUCTURED AND UNSTRUCTURED DOCUMENTATION



THE PLAYGROUND



Boston Consulting Group (2017): la frammentazione dei processi di gestione nella supply chain e nelle operazioni doganali

EXPORT-RELATED ISSUES



ACCUDIRE – THE SOLUTION TO OVERCOME THEM

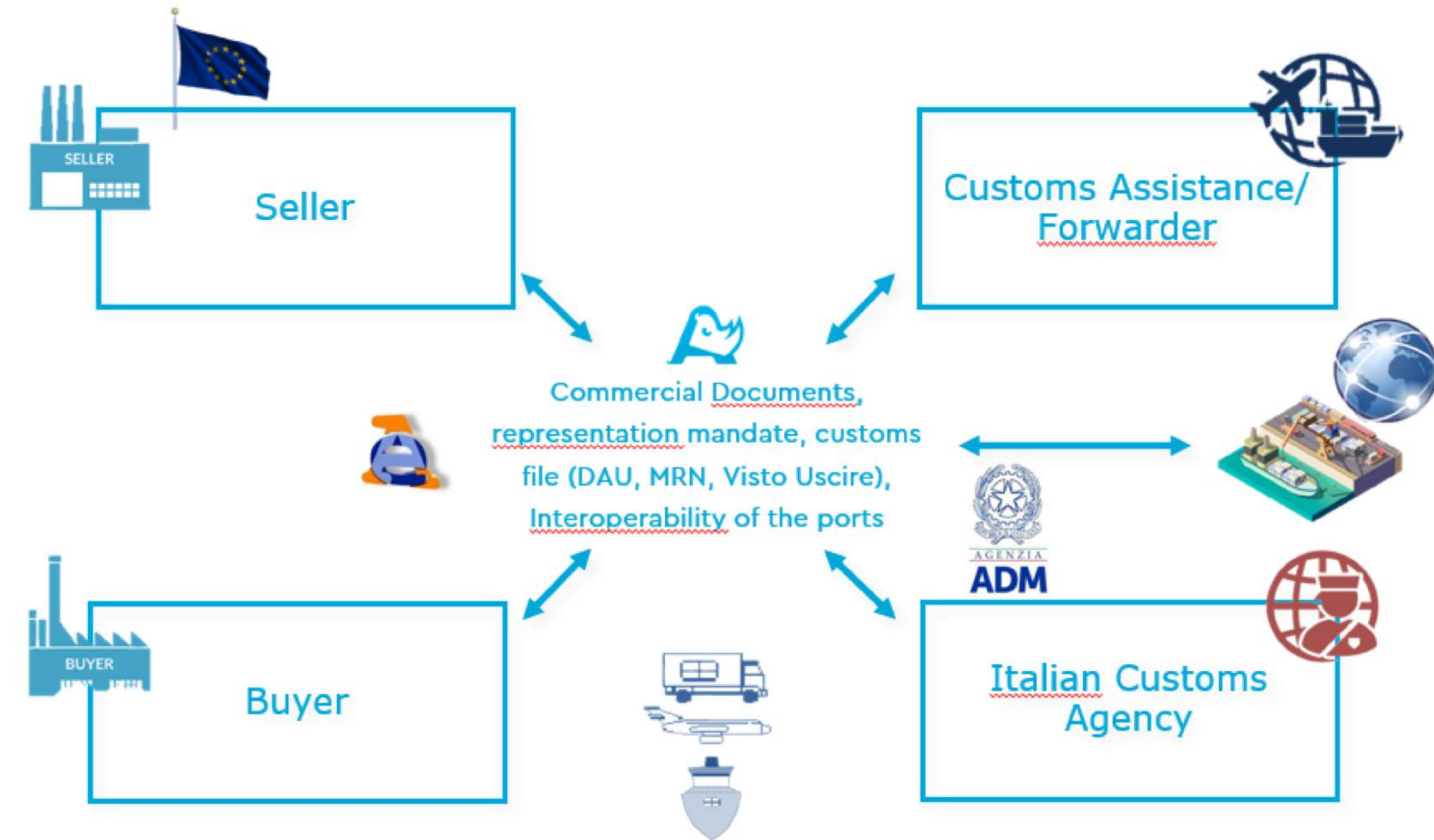
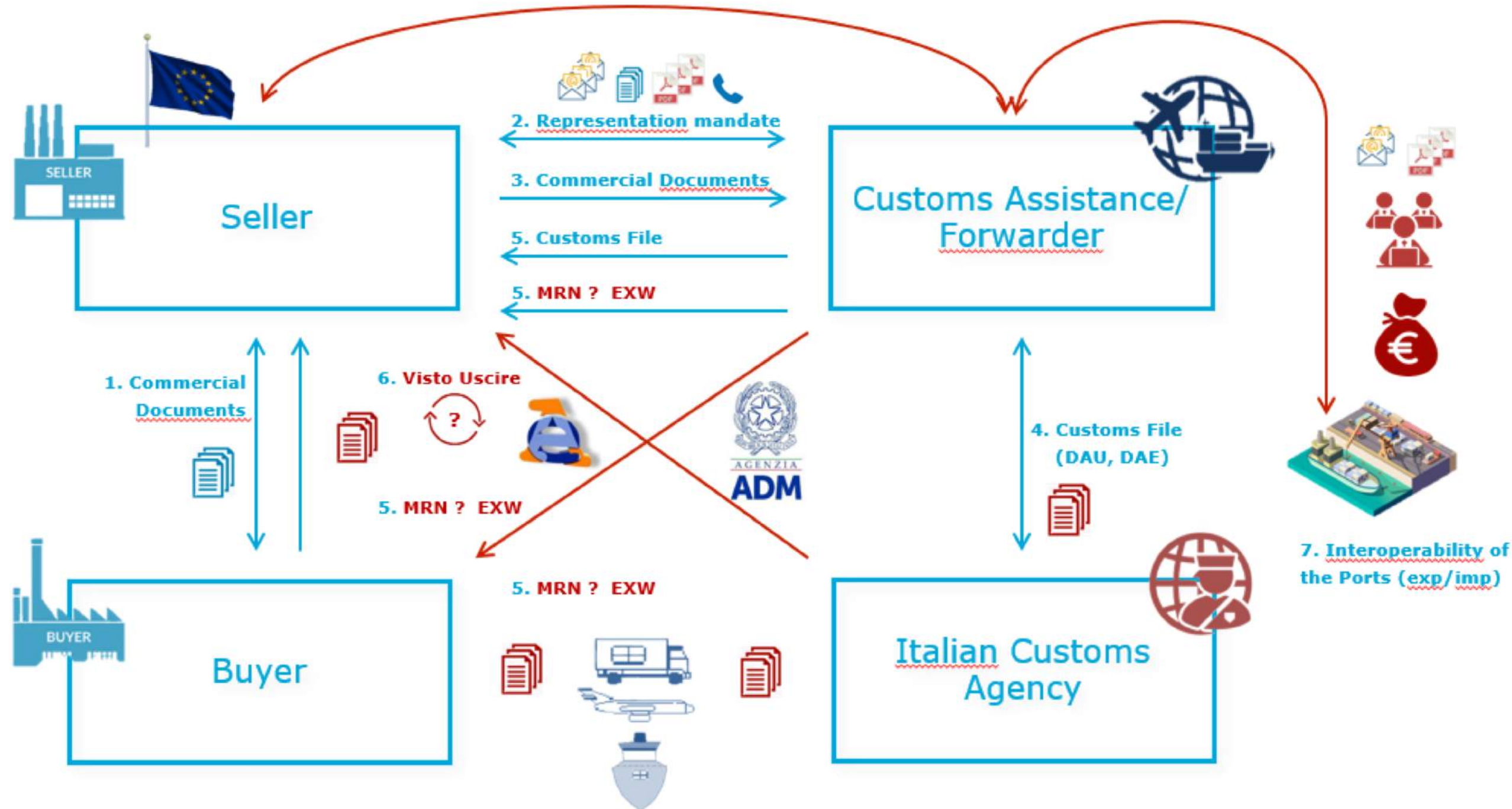


Evolution in extra-EU document flows

Yesterday: analogical model



Today: digital model

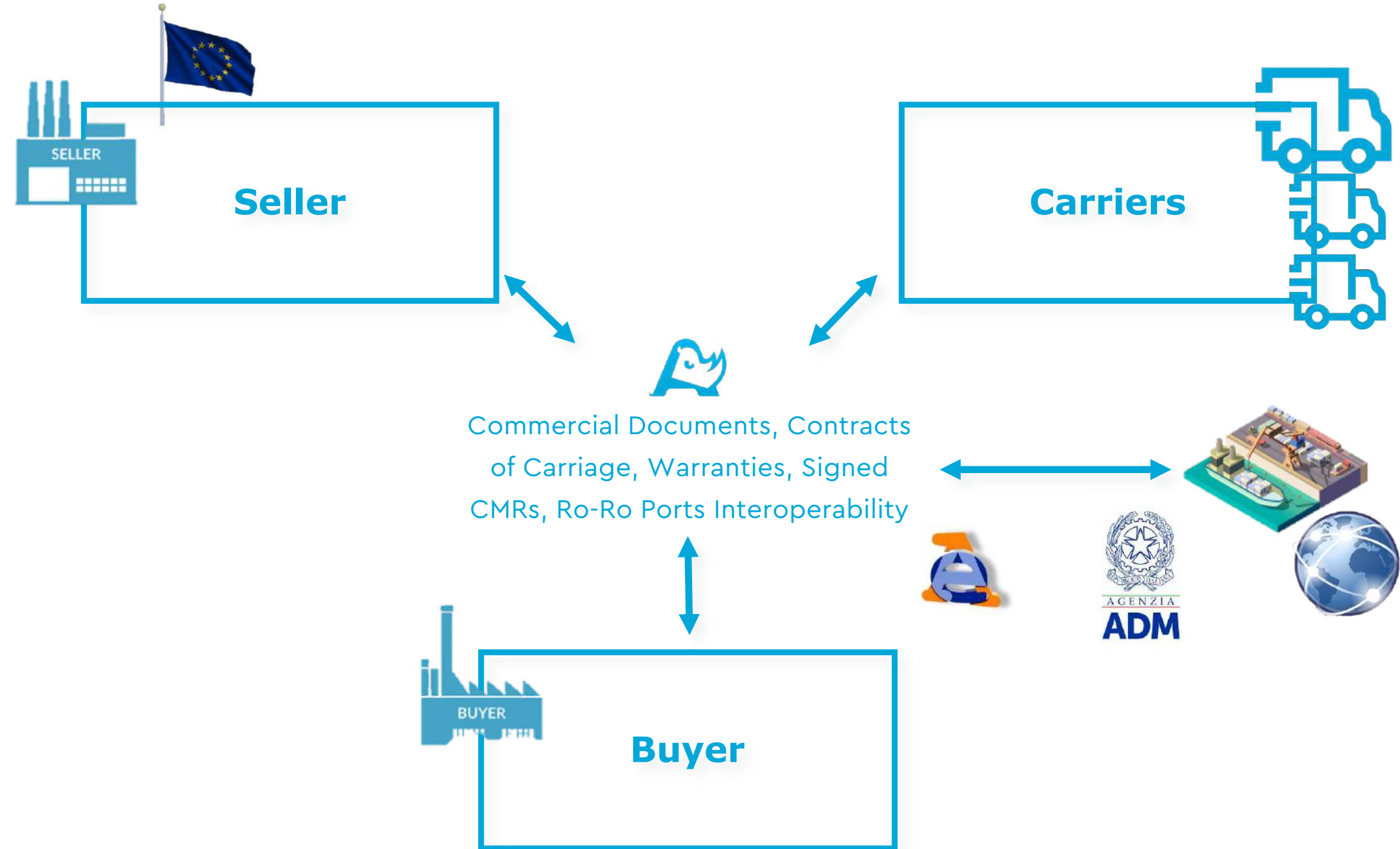
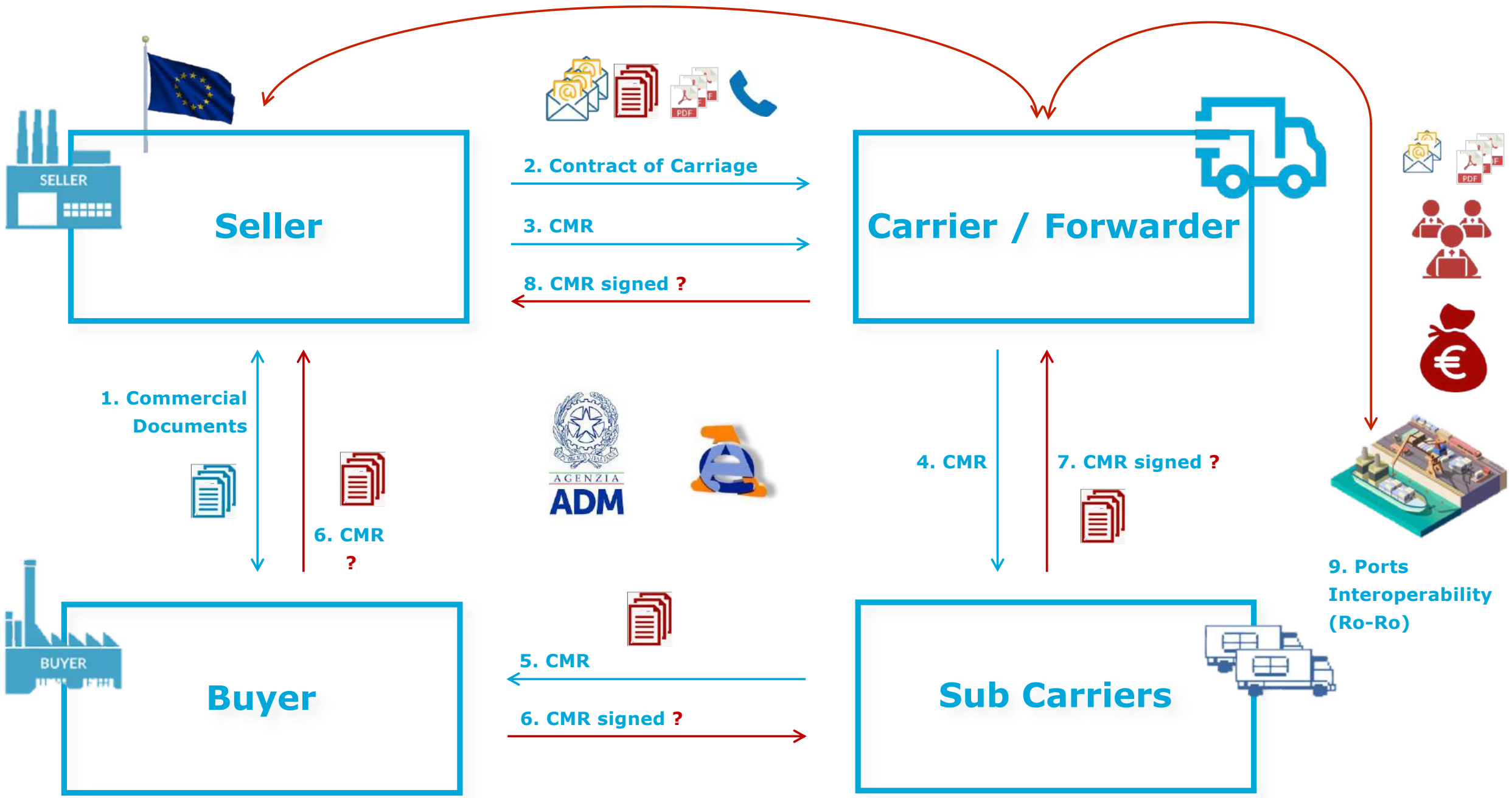


Evolution in intra-EU document flows

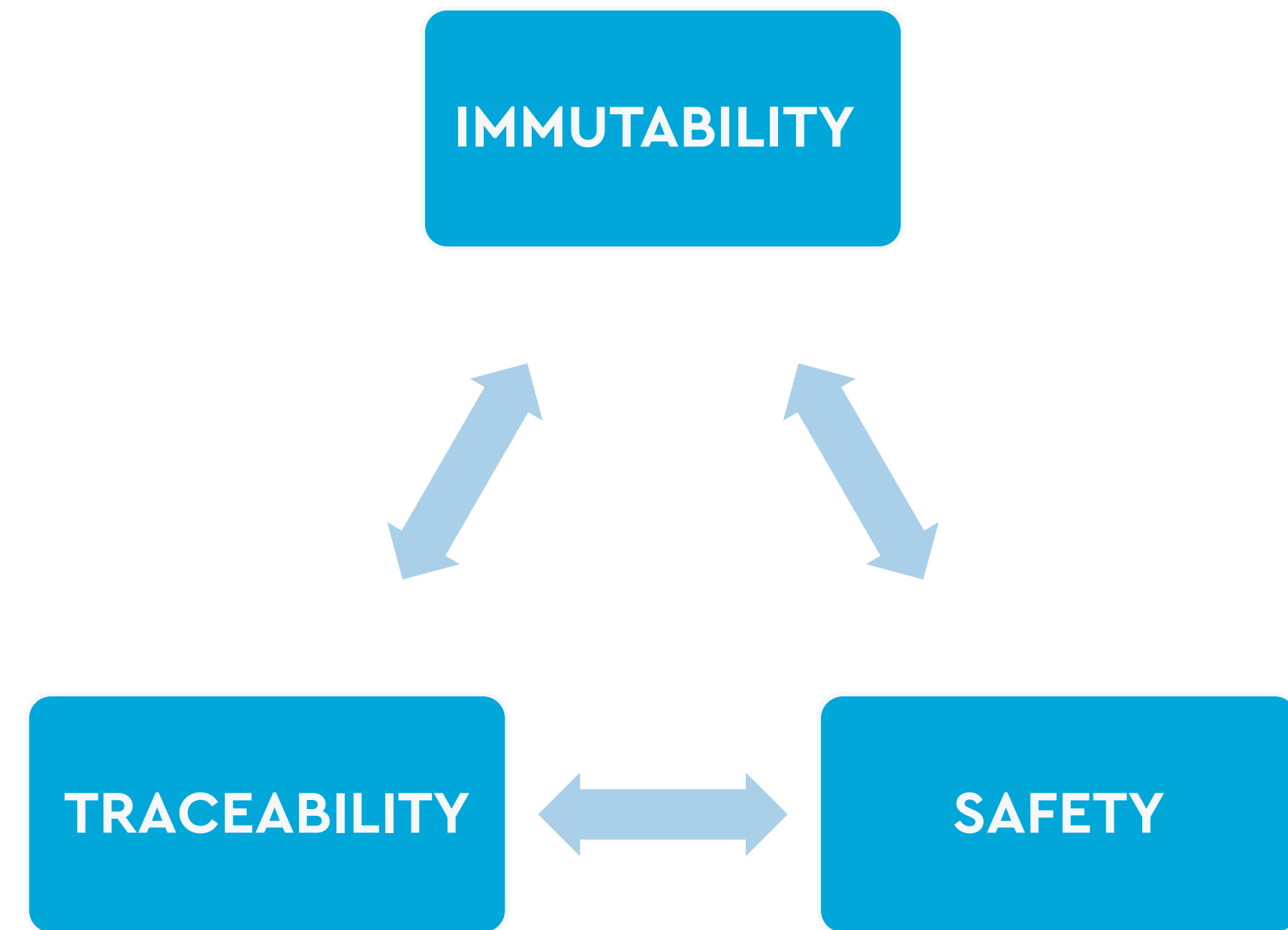
Yesterday: analogical model



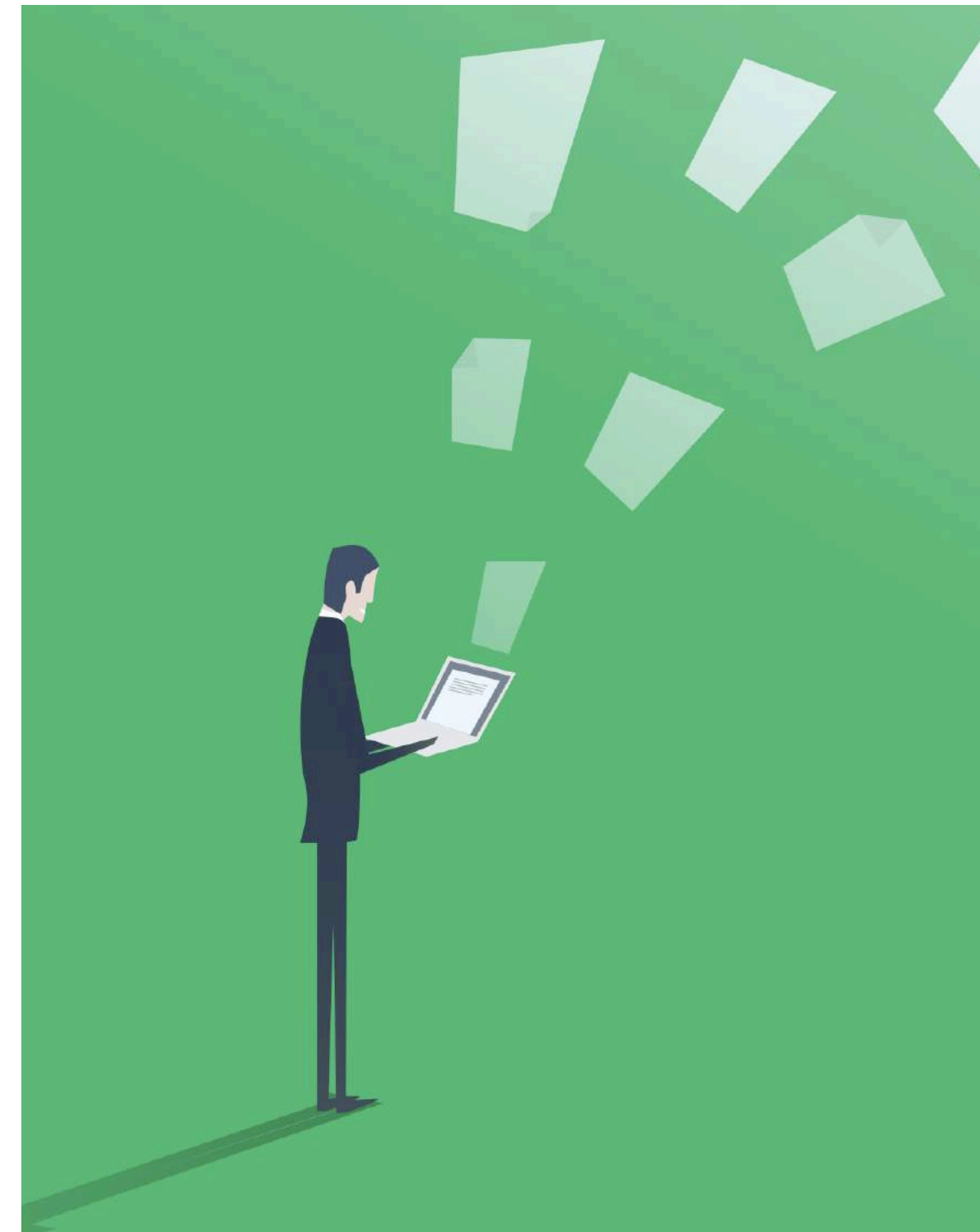
Today: digital model



BLOCKCHAIN TECHNOLOGY



BLOCKCHAIN - LESS PAPER, MORE DIGITALIZATION

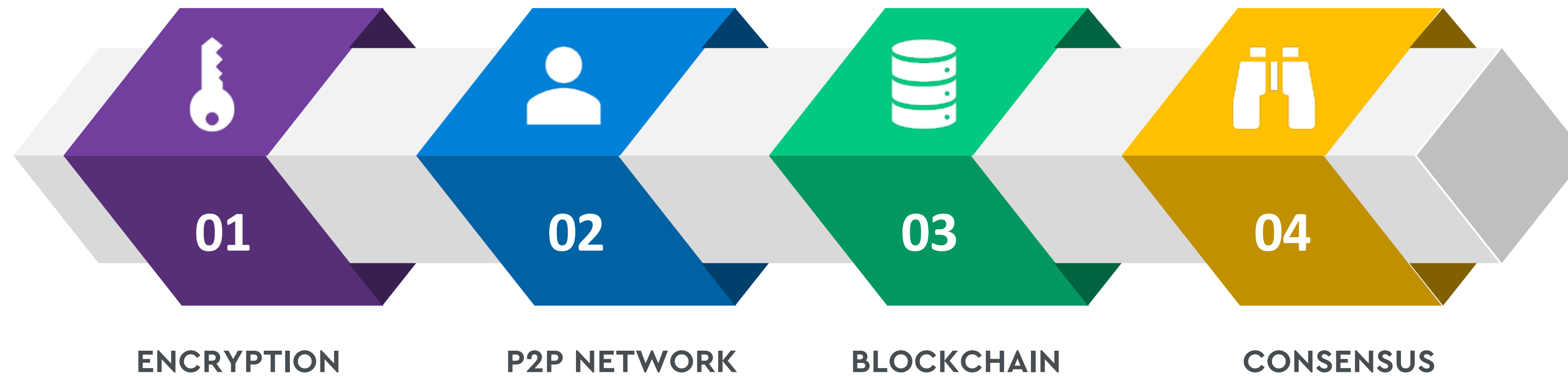


Greater fluidity and interconnection between organizational and operational processes within and across enterprises comes through robust **digitization** in the exchange of documentation, data and **interoperability** with management systems (SAP, PCS, TMS).

A twofold benefit, which translates not only into greater savings in management costs, but also in terms of **environmental sustainability**, thanks to the massive reduction in printed paper documents.

Security, immutability of data, speed and convenience.

THE 4 PILLARS OF BLOCKCHAIN



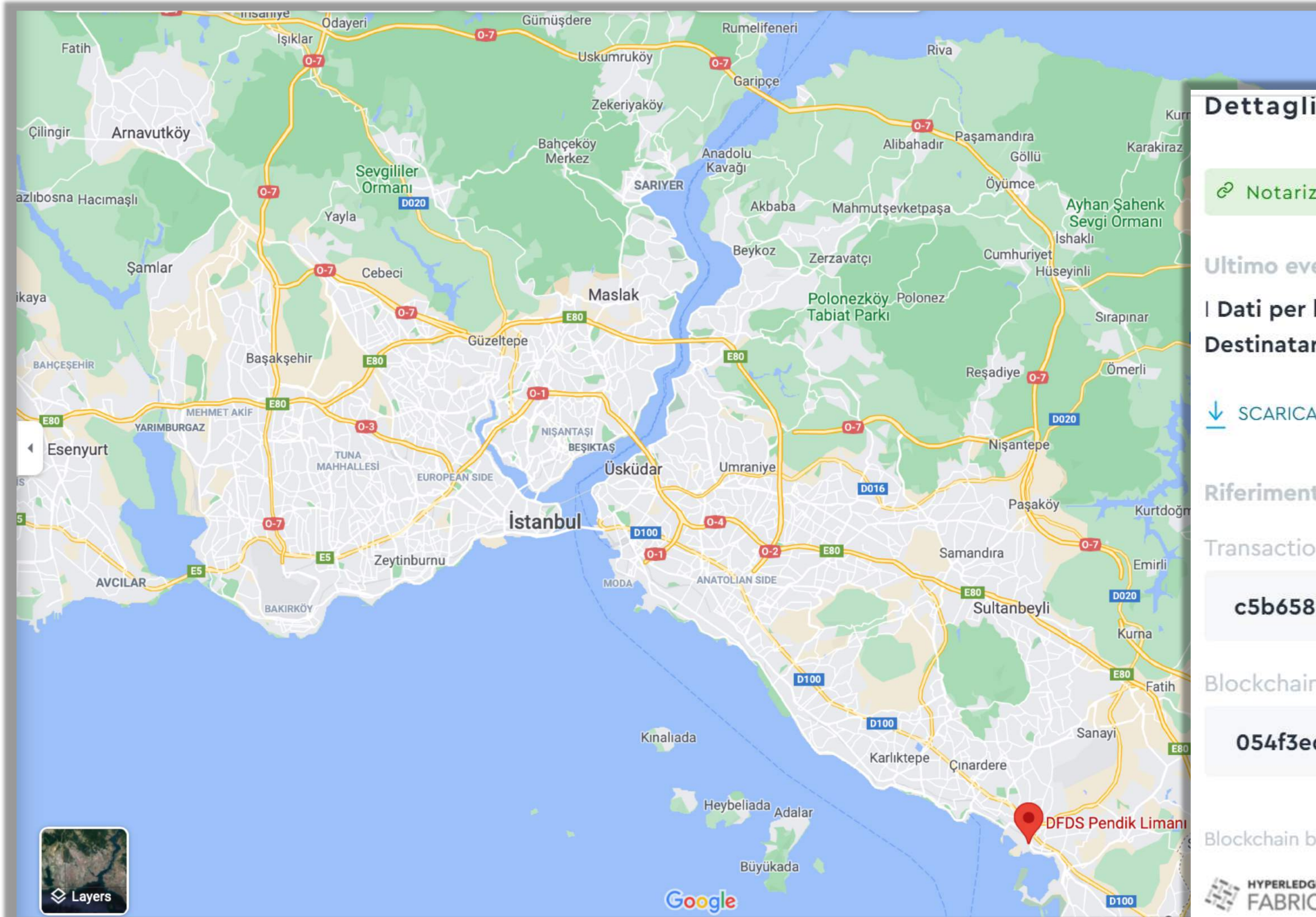
HASHING ALGORITHM: Uses a non-invertible Hashing algorithm to transform information of any size, into text composed of random characters

PEER-TO-PEER: Logical structure of a network, in which nodes do not have a hierarchy, but each is equivalent to the others, thus solving the problem of Single Point of Failure (SPoF)

BLOCKCHAIN: The connection between blocks is mathematical, and once a block is entered and validated, it can no longer be removed from the chain.

CONSENSUS: Endorsing peers execute chaincode and participate in transaction consensus, sending them to orderer nodes to be placed in blocks

ACCUDIRE, GEOLOCALIZATION AND NOTARIZATION



Dettagli Blockchain

[Notarizzata su Blockchain](#) Transazione effettuata il 03 ago 2021 alle ore 10:15

Ultimo evento notarizzato

I **Dati per la CMR della Spedizione** [REDACTED] sono stati firmati dal **Destinatario**.

[SCARICA IL CONTENUTO NOTARIZZATO](#)

Riferimenti tecnici

Transaction ID

c5b658cc

[COPIA CODICE COMPLETO - 64 DIGITS](#)

Blockchain UUID

054f3ed9

[COPIA CODICE COMPLETO - 64 DIGITS](#)

Blockchain based on



[Chiudi](#)

ACCUDIRE, A DIGITAL ECOSYSTEM



Business Model

ACCUDIRE is **the first company in Italy** intended to revolutionise the export processes through a new **digital business model**.

Centrality of companies

One single portal for managing the **Intra-EU and Extra-EU shipments**, thanks to a collaborative platform based on **Edge Computing and Blockchain** technologies.

Technology

Software application available in **SaaS** (Software as a Service) mode, with users connecting to it with two-factor authentication through the web browser on their laptops, tablets or smartphones.

Interoperability

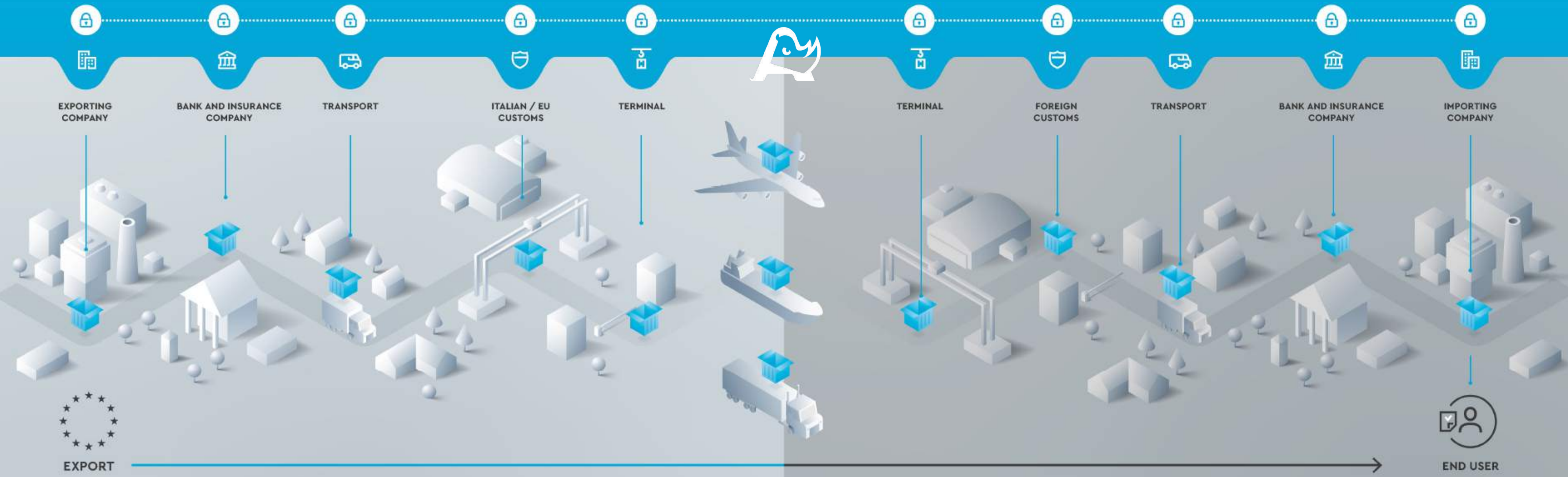
ACCUDIRE is an **ecosystem** of skills, people and technology that is easily interoperable with other digital platforms and management software (ERP, PCS, TMS) through advanced digital services.

BLOCKCHAIN



THE SECURE DIGITAL TECHNOLOGY ALONG THE WHOLE GLOBAL SUPPLY CHAIN

Through a 3-tier-native IT architecture based on Edge Computing, Blockchain and API technologies, ACCUDIRE allows **maximum interoperability, smooth integration, security, speed** and **traceability** of the supply chain for trusted connections between exporters, shippers and carriers, banks and insurance companies, terminals and government authorities.



THE COLLABORATIVE DIGITAL PLATFORM ACCUDIRE

ACCUDIRE is an innovative project that provides a digital platform to companies and logistics operators, enabling them to:

- ✓ **Digitise communication flows** between the various stakeholders in the management of international shipments
- ✓ Digitise the customs file (**DAU, DAE, MRN, exit visa, ministerial authorisations, certifications**)
- ✓ Digitise the processes of sharing logistics documentation (**CMR, DDT, AWB, B/L, port access**), tracing the path of goods
- ✓ **Eliminate manual activities**, repetitive checks, transcriptions, paper printouts, emails, pdfs
- ✓ **Monitor** regulatory trade compliance and export controls
- ✓ **Ensure VAT non-taxable status**, security, certainty, and immediacy in shared documentation along global supply chains

OUR VALUE IN THE BUSINESS COMMUNITY

 Cosa attenderci per il futuro in Italia?

 Osservatorio Blockchain & Distributed Ledger

 21.01.22

 #OSSBLOCKCHAIN22

AWARDS
Digital Innovation Observatory
Politecnico di Milano



The graphic displays a map of Italy, where the landmass is filled with a dense collection of logos from various Italian and international companies and institutions. A central cartoon character, a yellow figure with a red body and a smiling face, is holding a globe that features the Accudire logo. The logos include well-known brands like Eni, Ansa, Barilla, and Unilever, as well as many smaller, emerging companies and academic institutions. The overall theme is digital innovation and blockchain technology.

OUR VALUE IN THE BUSINESS COMMUNITY

AWARDS
Cetif - Research Center on Technology, Innovation and Financial Services



CETIF FINTECH AWARD – LA TOP TEN



CETIF



Cetif FinTech Lighthouse Award 2022



Anche quest'anno stiamo lavorando al [#CetifFinTechAward](#), che si occupa di selezionare le realtà innovative operanti nel [#settorefinanziario](#) che si distinguono per una maggiore [#sinergia](#) con Banche e Compagnie Assicurative.

Attraverso la survey di Cetif finalizzata all'indagine sul mercato [#FinTech](#) in Italia, abbiamo identificato le 10 finaliste che concorrono al podio! Alcune di loro sono state protagoniste dei Community Event del [#FinTechLighthouseHUB](#).

Gli eventi dell'HUB hanno visto gli Incumbent confrontarsi sulle principali tematiche che stanno rivoluzionando il FinTech italiano, approfondendo il [#valore](#) che tali realtà potrebbero offrire non solo alla clientela delle Istituzioni Finanziarie, ma anche ai processi operativi delle stesse.

MOST RELEVANT PARTNERSHIPS



We are part of the **Digital Innovation Commission** of Confetra, the Italian General Confederation of Transport and Logistics.



We are carrying out **e-CMR pilot** projects with Fedespediti, the National Federation of International Shipping Companies.

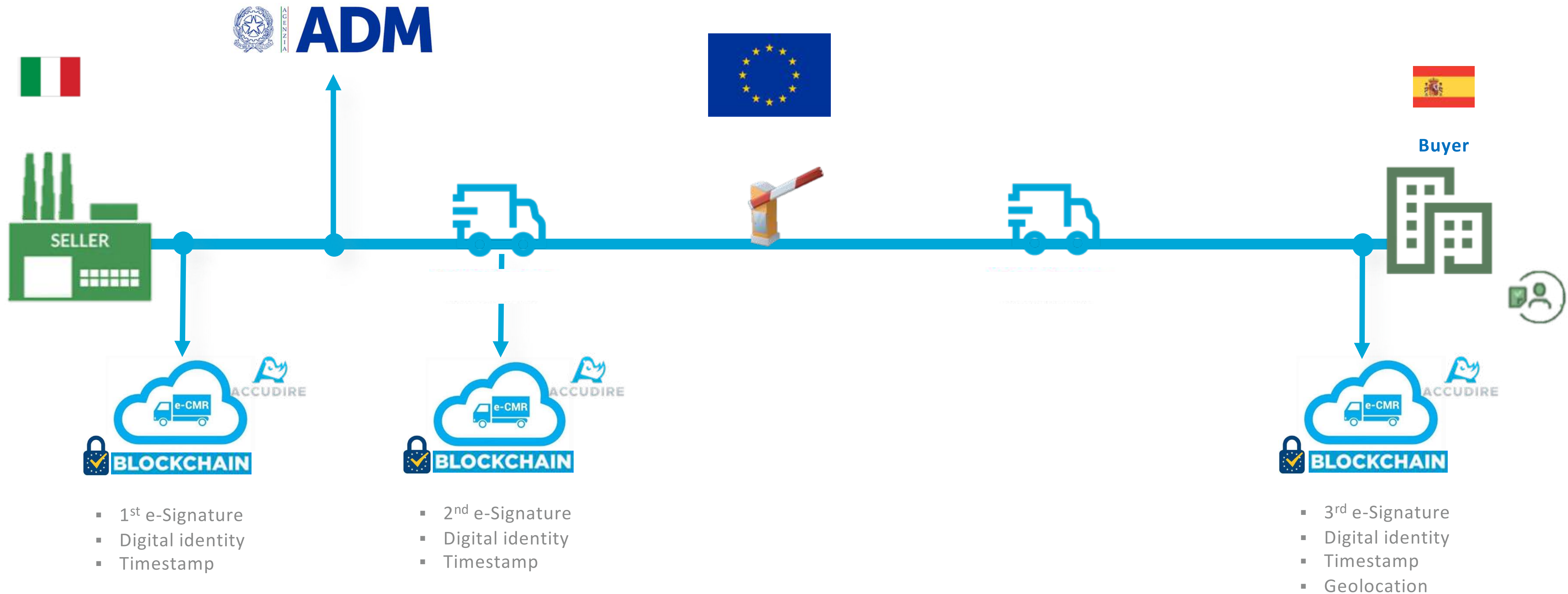


We are carrying out the "**e-CMR ITALY**" project with Uniontrasporti, co-financed by Unioncamere (the Italian Union of Chambers of Commerce, Industry, Crafts and Agriculture) and IRU (World Road Transport Organisation).

USE CASE: SHIPMENT TO SPAIN



- Quality check
- Digital approach



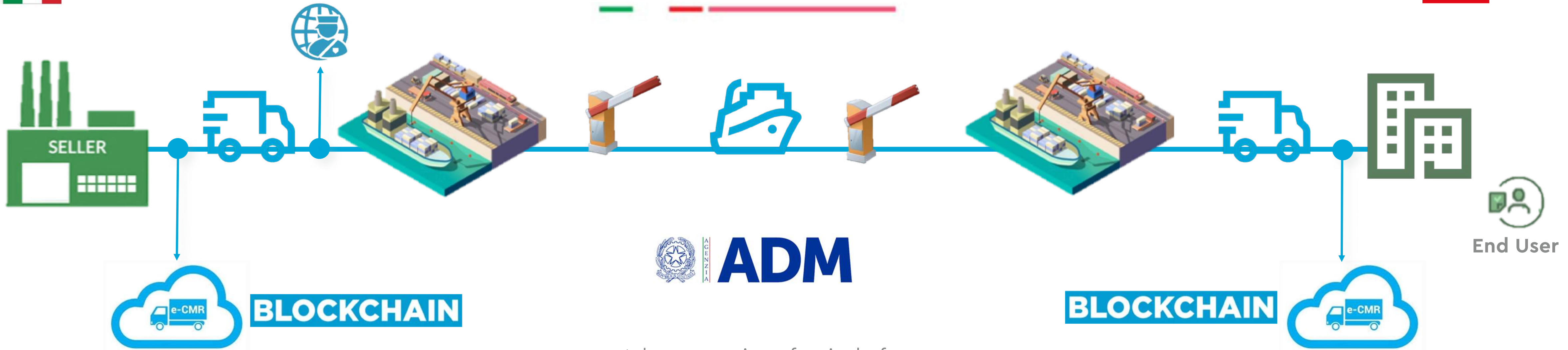
USE CASE: RO-RO SHIPMENT TO TURKEY



- Digital interaction with Port of Trieste and Customs
- Transit message retrieval



- Integration with logistics hub
- Goods tracking
- Real-time data visibility



- Completely digital flows
- Secure signatures, date stamping and geolocation
- Full digital integration between exporter, carrier, forwarder

- Advance notice of arrival of goods with customs validity
- Real-time verification of customs codes
- Real-time visibility on ship boarding

- Completely digital flows
- Secure signatures, date stamping and geolocation

EU TRICK PROJECT, EMPOWER CIRCULAR ECONOMY



<https://www.trick-project.eu/consortium>

CHALLENGE

The garment and footwear industry has one of the highest environmental footprints and risks for human health and society. The complexity and opacity of the value chain makes it difficult to identify where such impacts occur and to devise necessary targeted actions

GOAL

To enable SMEs to collect secured product data able to provide the final consumers and the stakeholders with all the relevant information for aware purchasing choices, bringing SMEs closer to circular economy

TECHNOLOGY

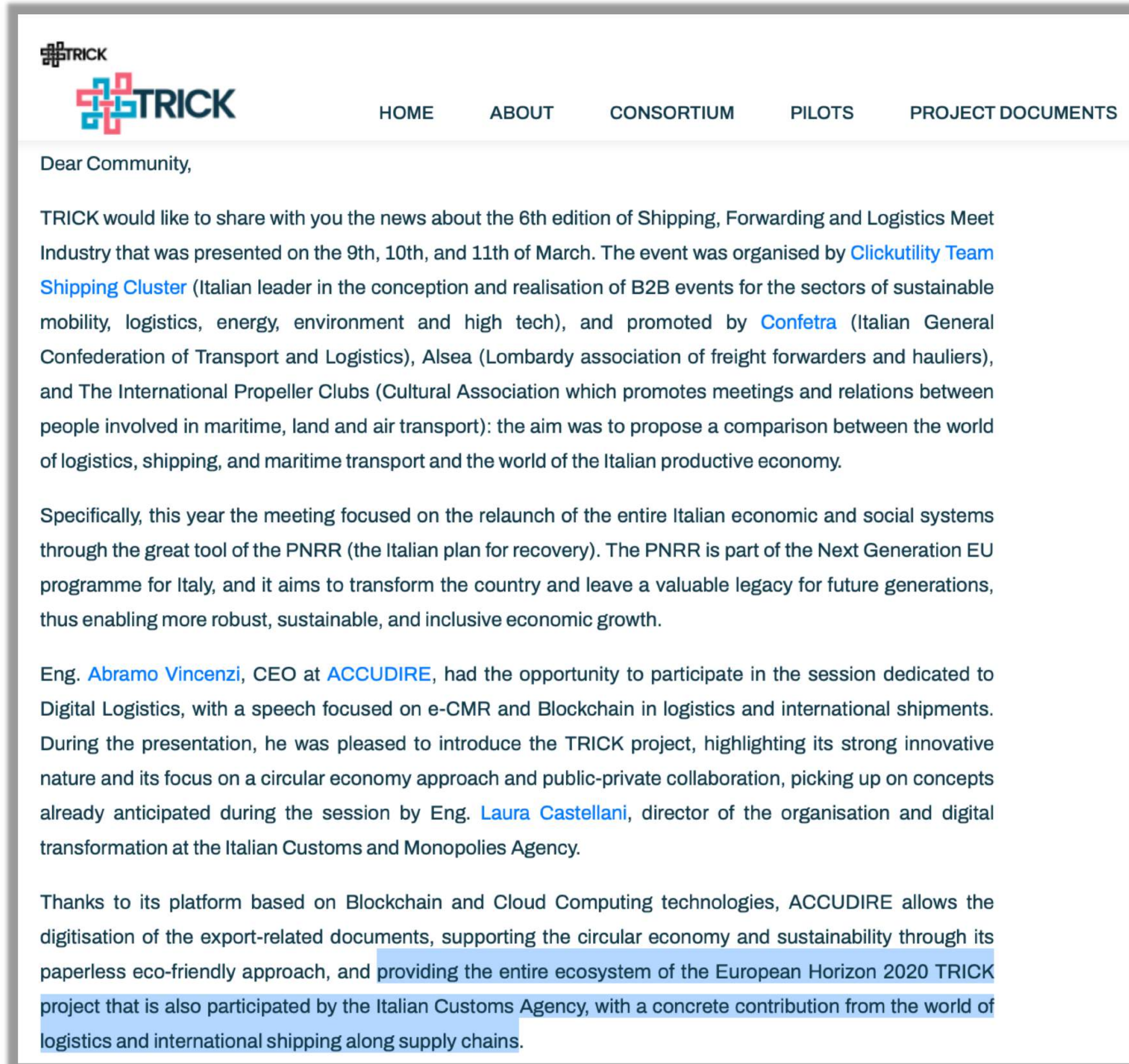
Blockchain based solutions, artificial intelligence, interoperability solutions, platforms to collect data

CONSORTIUM

31 Partners, 11 Countries (8 EU, 3 extra EU), 6 Universities and Research Centers, 6 National Agencies,

ACCUDIRE PROVIDE TRICK WITH A CONTRIBUTION FROM THE WORLD OF LOGISTICS

March 24, 2022



The screenshot shows the TRICK project website. At the top left is the TRICK logo, a stylized cross made of blue and red squares. To its right is a navigation menu with links for HOME, ABOUT, CONSORTIUM, PILOTS, and PROJECT DOCUMENTS. Below the navigation is a heading "Dear Community," followed by a paragraph of text. The text describes the 6th edition of the Shipping, Forwarding and Logistics Meet Industry event, organized by Clickutility Team Shipping Cluster, promoted by Confetra, Alesa, and The International Propeller Clubs. It mentions the event's focus on sustainable mobility, logistics, energy, environment, and high tech. A specific paragraph highlights the relaunch of the Italian economic and social systems through the PNRR (the Italian plan for recovery). Another paragraph mentions Eng. Abramo Vincenzi, CEO at ACCUDIRE, who participated in the session dedicated to Digital Logistics, with a speech focused on e-CMR and Blockchain in logistics and international shipments. The final paragraph thanks the platform based on Blockchain and Cloud Computing technologies, ACCUDIRE, for allowing the digitisation of export-related documents and supporting the circular economy and sustainability through its paperless eco-friendly approach, and providing the entire ecosystem of the European Horizon 2020 TRICK project that is also participated by the Italian Customs Agency, with a concrete contribution from the world of logistics and international shipping along supply chains.



The screenshot shows a LinkedIn post from the Agenzia Dogane e Monopoli - ADM. The post header includes the ADM logo, the name "Agenzia Dogane e Monopoli - ADM", and "14.330 follower". The post text describes the event on March 23 and 24, where ADM hosted the TRICK project partners. It mentions the event was financed by the European Union's Horizon 2020 program for research and innovation. The objective of the project is to support SMEs in the adoption, tracking, and demonstration of sustainable approaches through an innovative and circular information management system based on a protected data collection platform using Blockchain, integrated with an open marketplace for combined services. The project will be implemented in two complex and polluting sectors: textiles/apparel as the main pilot and food as a replica. ADM's contribution involves its expertise in traceability and Certificates of Origin, and its experience in technological development and Blockchain, matured through participation in projects financed by the European Community. The traceability will be based on the data necessary for origin certification, used for duty calculation. Data related to the product along the entire supply chain and those added to enable services provided by TRICK (traceability, circular valuation, environmental footprint of the product, health and social valuation, artificial intelligence for anti-counterfeiting) will be saved on the Blockchain for each production lot to ensure the continuity of traceability.

<https://www.trick-project.eu/news/eng-abramo-vincenzi-ceo-at-accudire-representing-trick-on-the-6th-edition-of-the-shipping-forwarding-and-logistics-meet-industry-2022>

https://www.linkedin.com/posts/agenzia-dogane-e-monopoli-adm_il-23-ed-il-24-marzo-adm-ha-ospitato-i-partner-activity-6913442484370997248-4rnR/

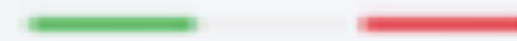


**CONNECTED.
UNITED.
TOGETHER.**



ACCUDIRE

Your export. Made simple.



ACCUDIRE S.r.l.
Piazzetta Scala, 2
37121 Verona, Italy
P.IVA / CF 04679020232

www.ACCUDIRE.eu
info@ACCUDIRE.eu

[LinkedIn ACCUDIRE](#)