

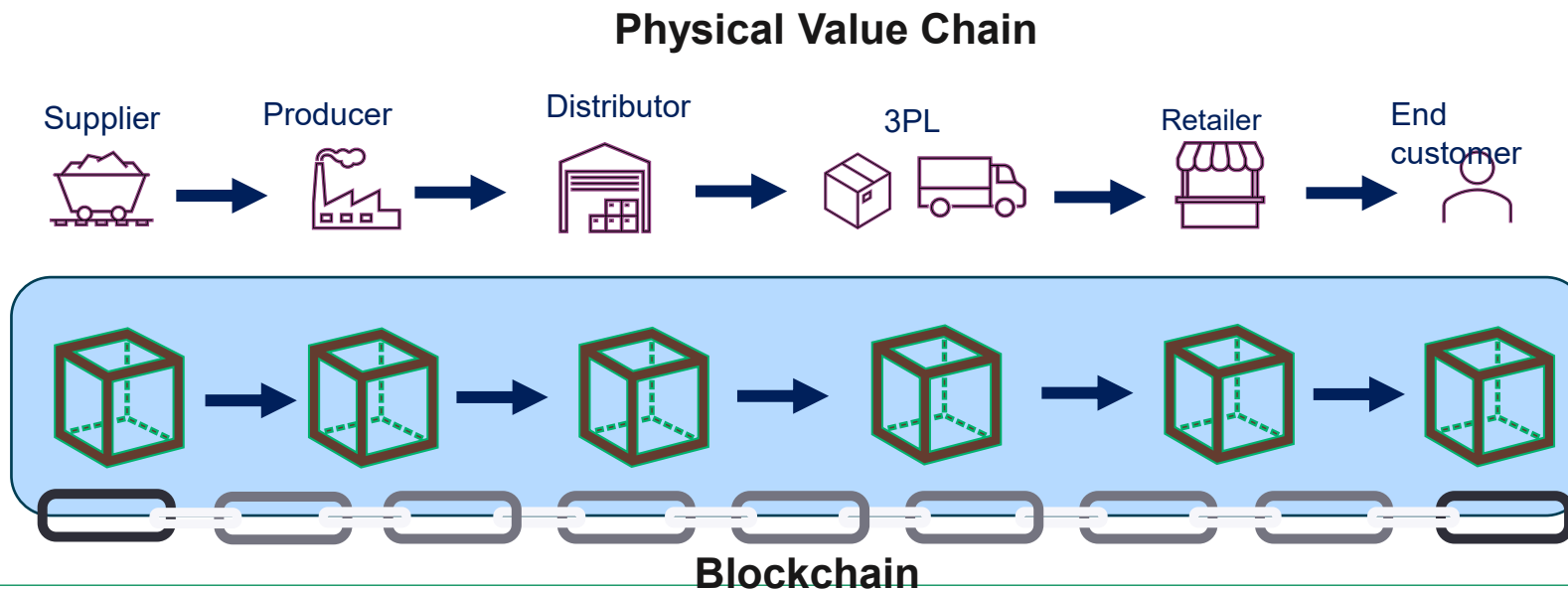
# ICCA – Harnessing Technology Innovation

22 June 2025



# Blockchain

- The network of networks - Organizations operate in digital silos but blockchain allows siloed systems to interoperate in an ecosystem with the appropriate governance, privacy, permissions and controls required
  - “*Blockchains will do for business ecosystems what ERP did inside the enterprise – EY*”
- Blockchain enhances trust, transparency, auditability and immutability to the ecosystem



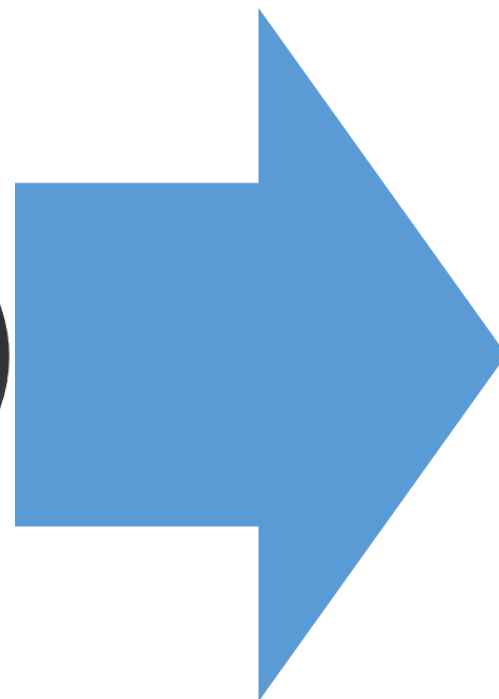
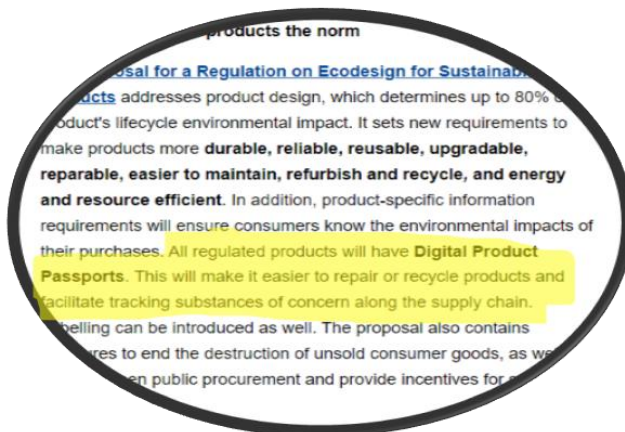
## Benefits

1. Data Integrity and immutability
2. Decentralization
3. Real-time monitoring
4. Transparency
5. Enhanced collaboration
6. Efficiency gains throughout the value chain

## Barriers

1. Interoperability / Lack of standards
2. Scalability (transaction throughput)
3. Energy consumption raising concerns about sustainability and environmental impact
4. Security: nodes can still suffer attacks
5. Regulatory landscape still evolving creating uncertainty
6. Cost of Implementation can be significant
7. User adoption
8. Complexity and Expertise

# What is the Digital Product Passport



EU Commission Legislation Proposal includes the following data points

- Name of the model
- Producer
- Size, color, and picture of the model
- Location of the manufacturing plant
- Origin of raw materials
- Environmental impact indicators
- Circularity indicators
- Social indicators / Compliance
- Chemical content
- Recycled content
- Use instructions
- Recycling instructions
- Dismantling instructions
- Other labels and green claims

## DPP Objectives

- Ensure that actors along the value chain, in particular consumers, economic operators, and national authorities, can **access product information** relevant to them
- Facilitate the **verification of product compliance** by competent authorities
- Enable **traceability of products along the value chain** in an **immutable** way

**DPP could accelerate the green & digital transition by promoting information sharing & collaboration**

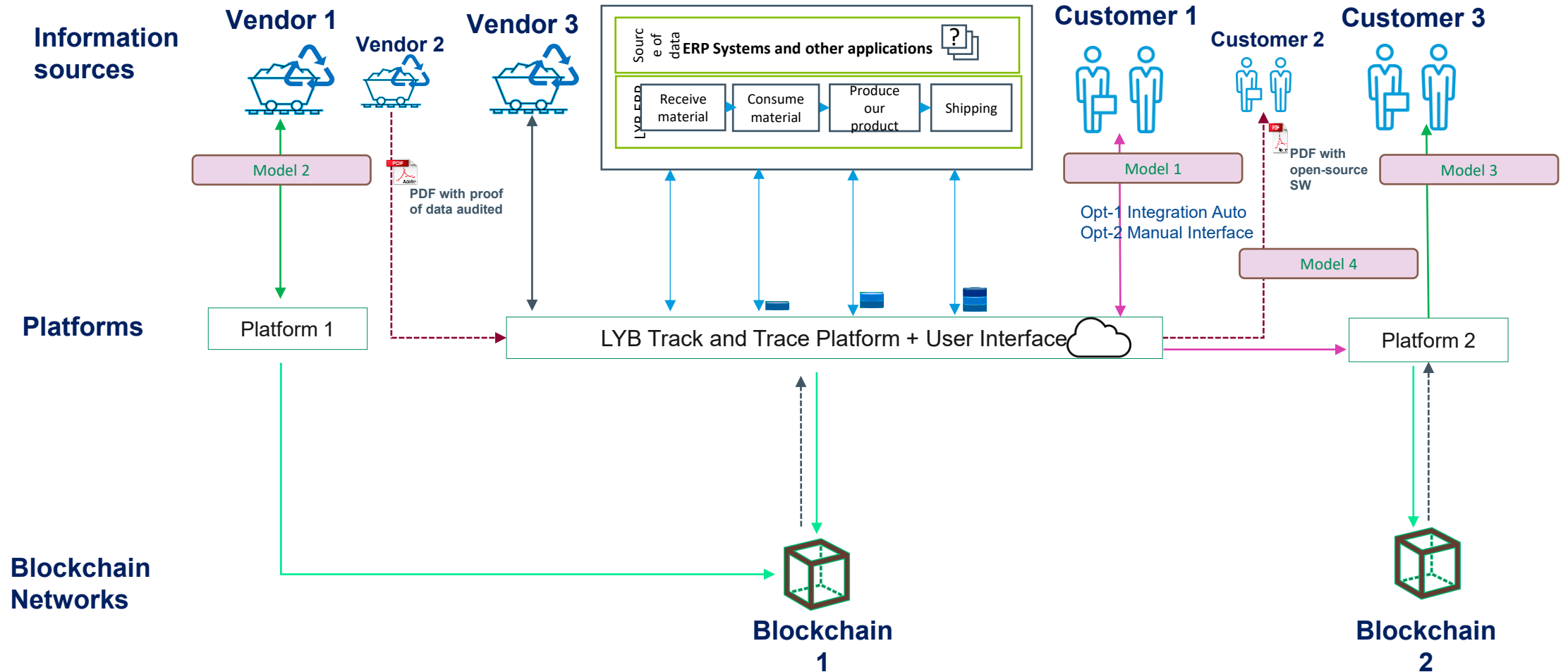
# Digital Product Passport (Art. 7/8) – EU Commission Legislation Proposal

- Mandatory for all products to be placed on the market
- Products-specific (or products groups) delegated act will include the following requirements related to the DPP
- the information to be included in the product passport pursuant to Annex III;
- the types of data carrier to be used;
- the layout in which the data carrier shall be presented and its positioning;
- whether the product passport is to correspond to the model, batch, or item level;
- the manner in which the product passport shall be made accessible to customers before they are bound by a sales contract, including in case of distance selling;
- the actors that shall have access to information and to what information they shall have access (...);
- the actors that may introduce or update the information (...);
- the period for which the product passport shall remain available.
- Exemptions if technical specifications are unavailable or already digital provision of information provided by EU law

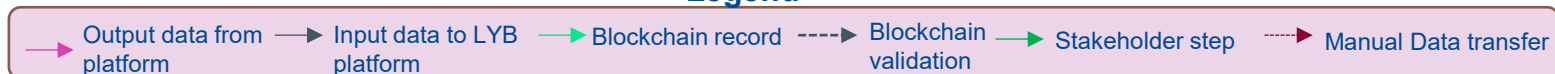
## Annex III

- (a) minimum DPP requirements of art. 7(2) and 8(2) or by other Union law applicable to the relevant product group;
- (b) the unique product identifier (...);
- (c) Global Trade Identification Number as provided for in standard ISO/IEC 15459-6 or equivalent of products or their parts;
- (d) relevant commodity codes, such as a TARIC code (...);
- (e) compliance documentation and information under the ESPR (...);
- (f) user manuals, instructions, warnings or safety information, as required by other EU laws applicable to the product;
- (g) info related to the manufacturer, i.e its unique operator identifier (...);
- (h) unique operator identifiers (...);
- (i) unique facility identifiers;
- (j) information related to the importer (...);
- (k) the name, contact details and unique operator identifier code of the economic operator (...).

# Conceptual Design – Representation of DPP Ecosystem

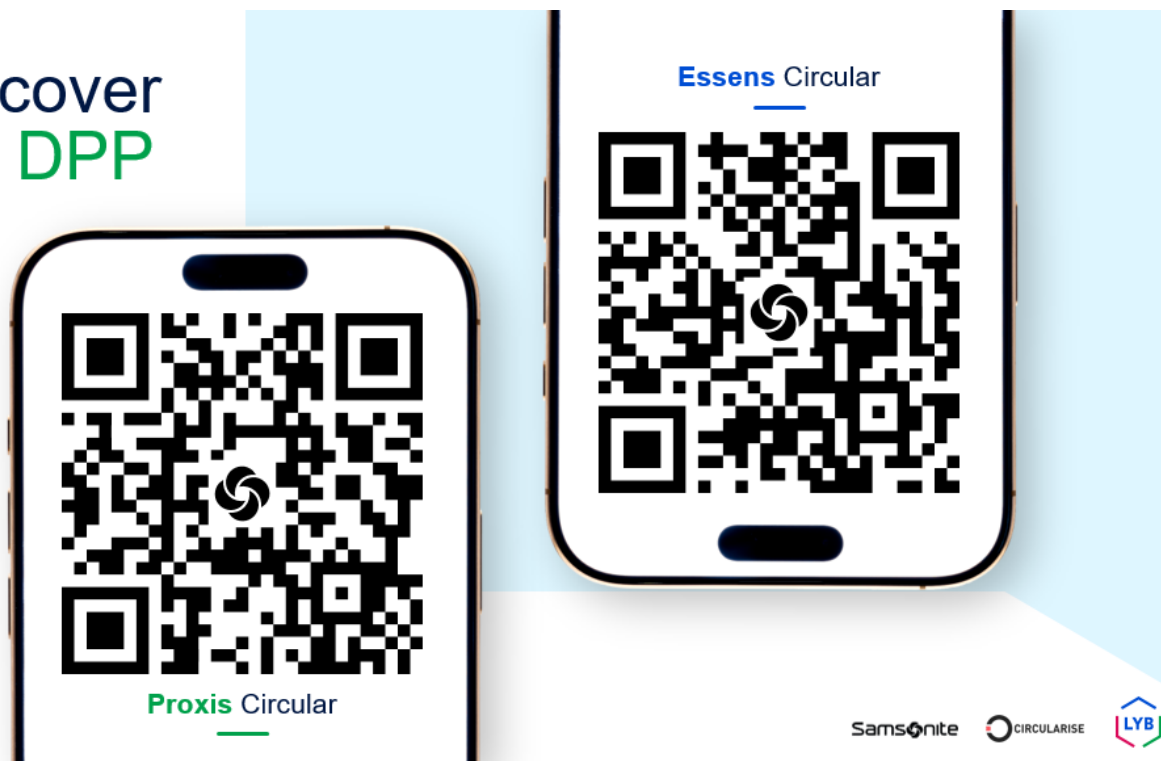


## Legend



# Examples of Traceability projects

Discover  
our **DPP**



# Examples of Traceability projects

Initiative	Organisations involved	Objective	Year of announcement
<u>Aura Blockchain consortium</u>	LVMH, Cartier and Prada	Provide consumers with high level of transparency and traceability throughout the lifecycle of a product.	March 2021
<u>TextileGenesis</u>	H&M, ArmedAngels, Mara Hoffman and Chicks	Provide consumers with the most sustainable and climate-friendly clothing and home textile products.	November 2020
<u>FibreTrace</u>	7Forallmankind	Digital solution that showcases transparency through a digital chain of custody.	September 2021
<u>Trustrace – Decathlon</u> <u>Trustrace - Adidas</u>	Adidas, Decathlon	Achieve material traceability at scale, gaining greater visibility into its complete supply chain down to the material level, by using TrusTrace's digital traceability platform.	2022
<u>Circularise</u>	Porsche	Porsche and its suppliers partnered with Circularise to use blockchain and a patent-pending Smart Questioning technology to set up secure, end-to-end traceability for specific material streams.	2020
<u>TracrTM</u>	De Beers Jewellers	Underpins trust for stakeholders throughout the diamond value chain by assuring a diamond's provenance, traceability and authenticity.	2020
<u>GreenToken</u>	Unilever	GreenToken to bring traceability and supply chain transparency. This solution allows companies to tell what percentage of palm oil products they purchased from a sustainable origin and track it to the end consumer product.	2022