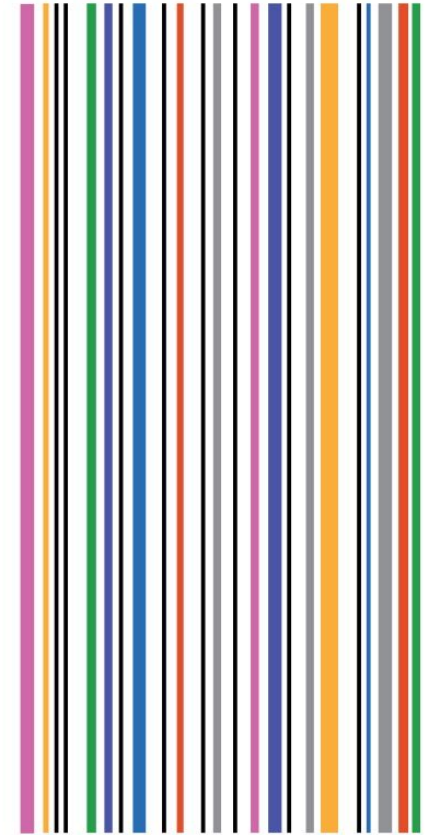




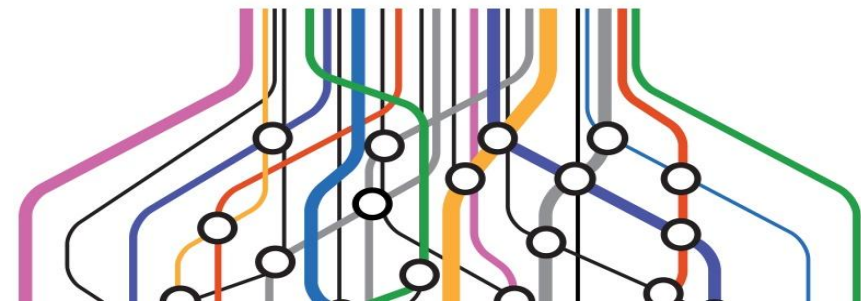
Transparency at Scale

*Driving sustainable value chains with the
UN Transparency Protocol (UNTP)*

Suna Akbayir
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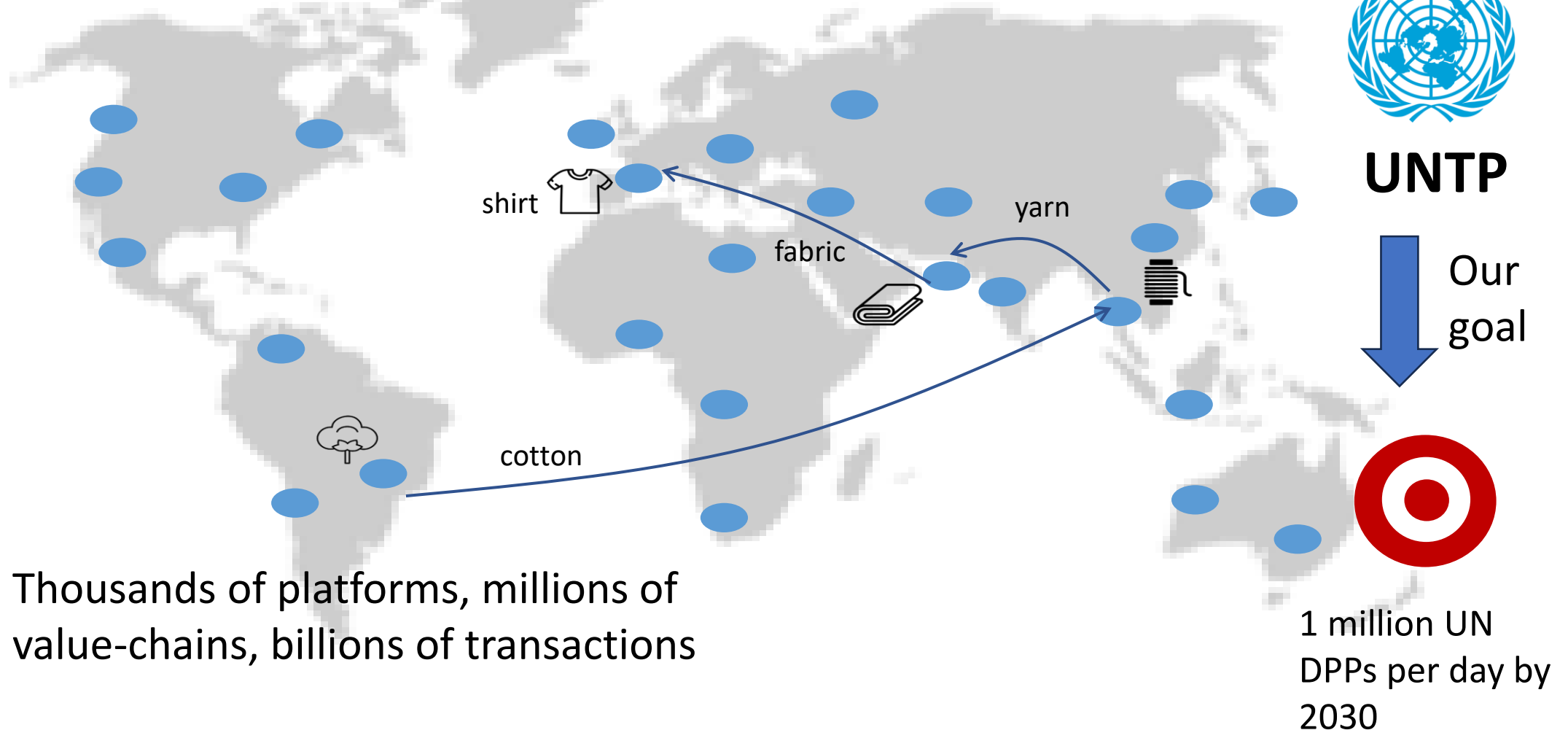
UN / CEFAC



But it has to work **AT SCALE** to have any impact

"Use my platform" solutions have failed

UNTP is an interoperability **protocol**, not another **platform**



The Situation

Regulations (eg EU DPP, EUDR) and social license are driving demand for better data.

Trustworthy supply chain traceability & transparency data is key

The United Nations Transparency Protocol (UNTP) establishes a common standard for digital transparency.

- Focuses on interoperability, traceability, and data sovereignty across global value chains.
- Designed to support circular economy practices and sustainable production

The Situation

- **UNTP as the Global Data Layer:** The UNTP is a **protocol, not a platform**, focusing on ensuring interoperability and secure data exchange across global value chains. It's designed to provide the verifiable, cross-border upstream data needed to support various regulations.
- UN/CEFACT Recommendation 49 provides the essential **policy and data governance foundation** that enables the creation of interoperable DPPs. UN/CEFACT is a key partner in the global DPP standardization effort.
- A company can use the global UNTP to collect and verify its supply chain data, and then use that data to populate the specific fields required by the EU DPP.
- UNTP provides a flexible, **cross-industry core** that can support both the EU's regulatory passport and other industry-specific passports, preventing the need for multiple, duplicative systems.

Key Aspects of UNTP Standardisation for DPPs

Core Data Structure:

- The UNTP framework defines a standard data structure for Digital Product Passports, including product information, marketing claims, digital conformity credentials (third-party proofs), and digital traceability events.

Decentralized Architecture:

- The UNTP is designed for a decentralized approach, where data remains with its original owners but can be linked together when needed, enabling cross-company data exchange without creating a single central database.

Support for Industry & National Standards:

- UNTP is positioned to complement national initiatives, such as the EU DPP, by providing a common, interoperable, and globally applicable framework for the upstream flow of data.

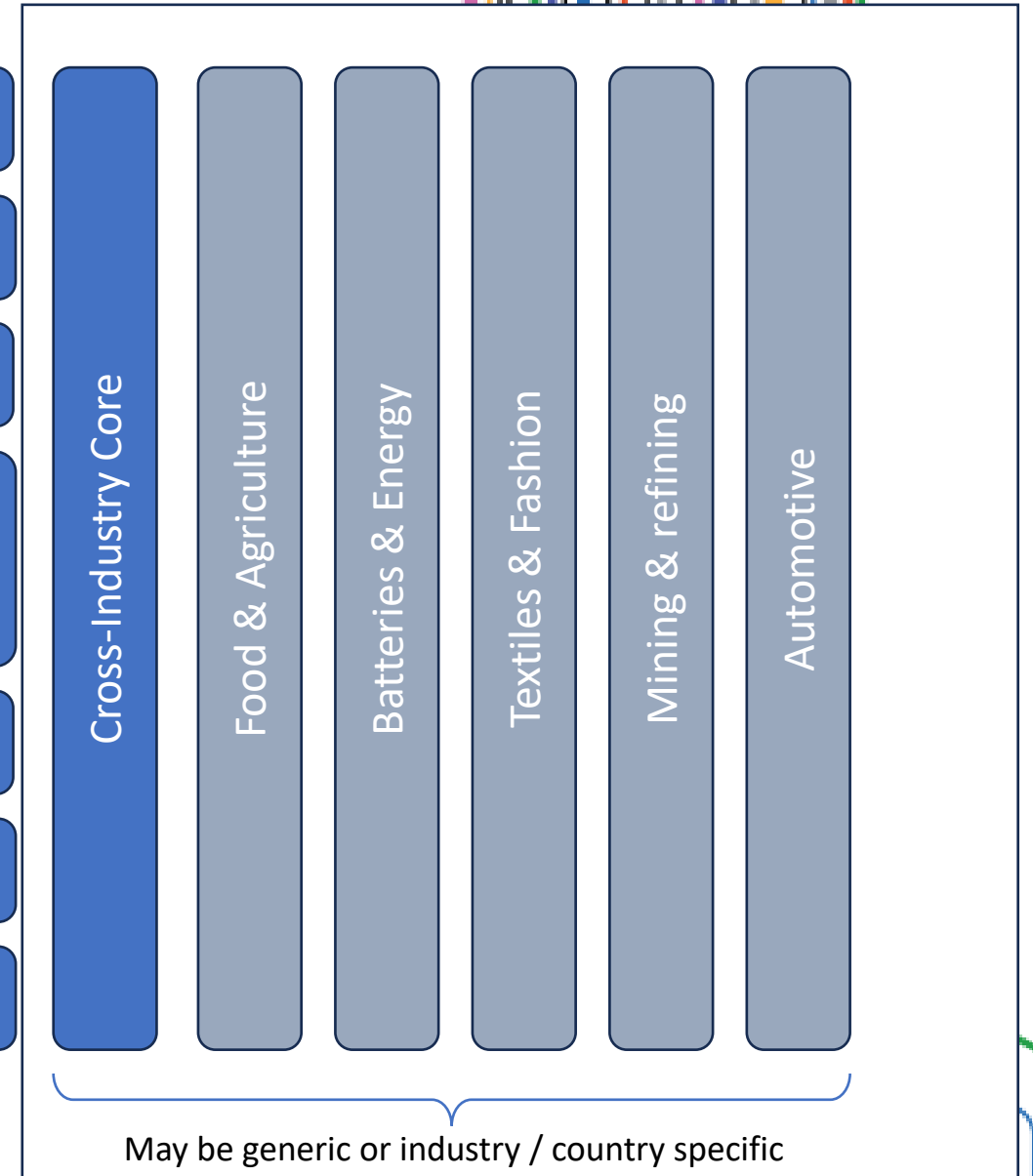
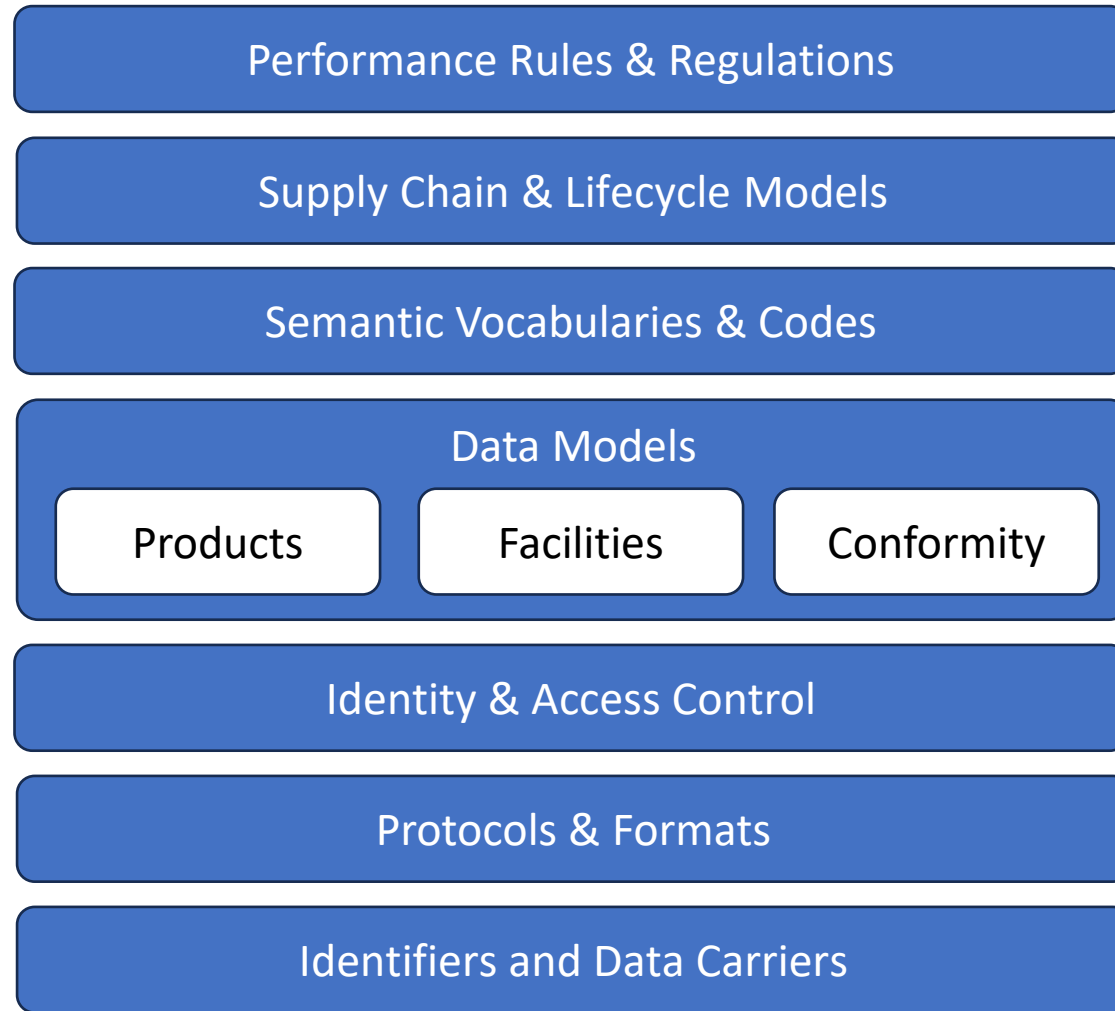
Focus on Supply Chain Transparency:

- The UNTP aims to provide practical measures to counter greenwashing by enabling supply chain traceability and transparency on a global scale.

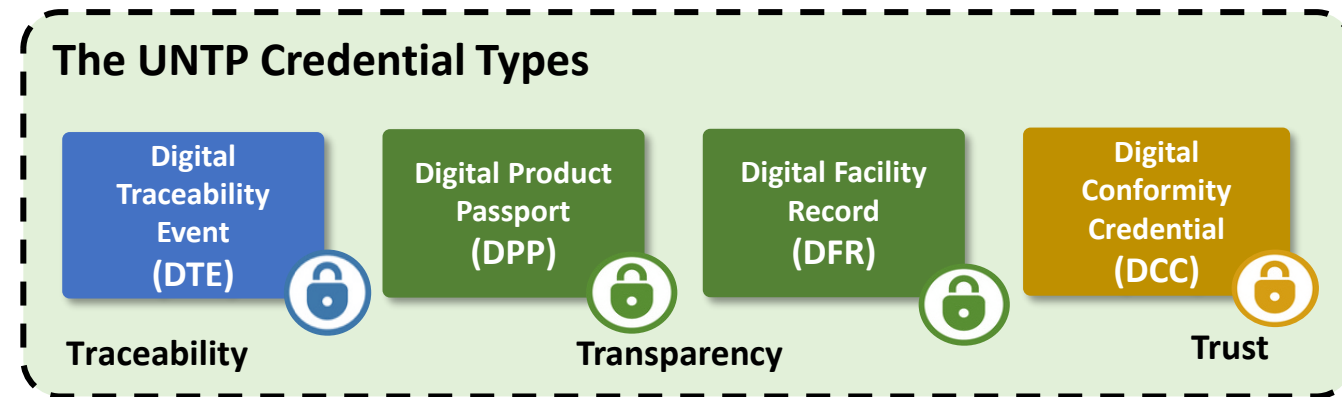
Technical Specifications:

- The UNTP offers detailed technical specifications and implementation guidance for DPPs, ensuring consistency and interoperability across different software systems and stakeholder

Standards at each of these layers

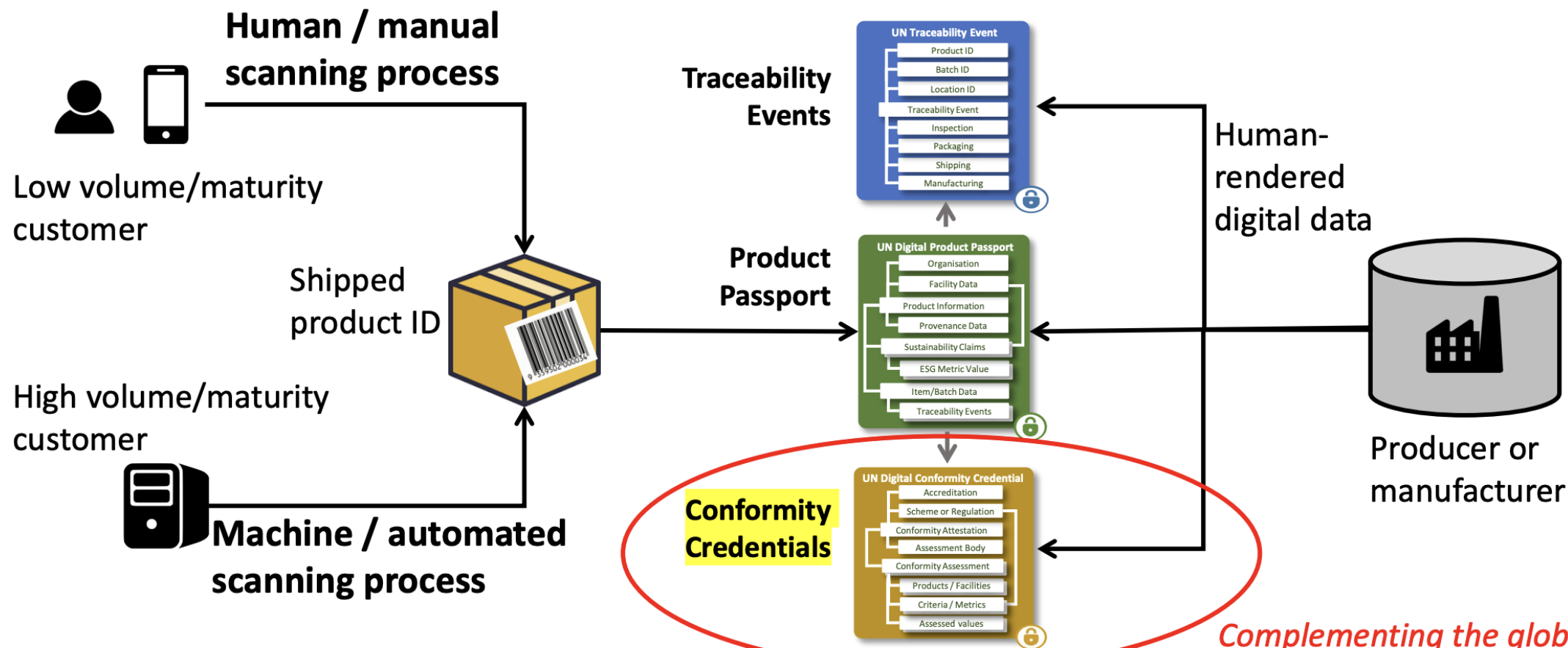


UNTP comprises four key (verifiable) credentials



Verifiable Credentials v2.0
Decentralised Identifiers v1.0

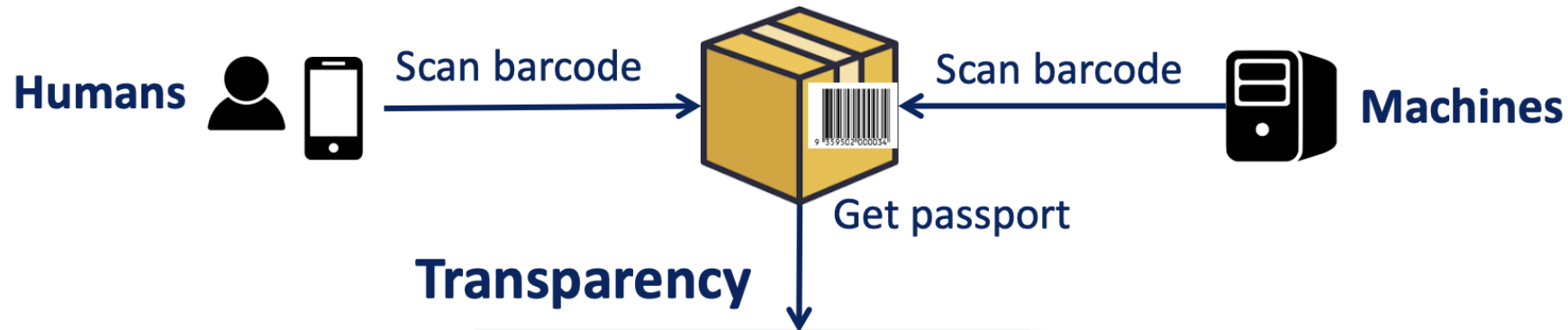
Recommendation 49: Transparency at Scale & referred instruments of UNTP



Complementing the global Digital Product Passport!

UNTP is a digital standard, not a technology or platform

If you've got the product ID then you can get the data, readable by humans and machines



Traceability

Digital Traceability Event

- Product ID
- Batch ID
- Location ID
- Traceability Event
- Inspection
- Packaging
- Shipping
- Manufacturing



Transparency

Digital Product Passport

- Organisation
- Facility Data
- Product Information
- Provenance Data
- Sustainability Claims
- ESG Metric Value
- Item/Batch Data
- Traceability Events



Trust

Digital Conformity Credential

- Accreditation
- Scheme or Regulation
- Conformity Attestation
- Assessment Body
- Conformity Assessment
- Products / Facilities
- Criteria / Metrics
- Assessed values



Follow links

Follow links

Plus identity, security, semantics, and value to top it off.

SECURE the data

Decentralised Access Control (DAC)

Prove authority to access sensitive data, no matter where it is located.

Digital Identity Anchor (DIA)

Get proof of identity and role from a trust authority and use it anywhere

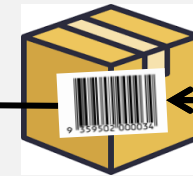
Verifiable Credentials Profile (VCP)

Make all credentials tamper-proof, verifiable, revokable & interoperable

FIND the data

Identity Resolver (IDR)

Get list of links



Scan barcode on the box or the document



Humans



Or

Machines

the DATA

Get the data

Digital Traceability Event (DTE)



Traceability

Digital Product Passport (DPP)



Transparency

Digital Facility Record (DFR)

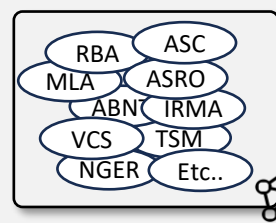


Digital Conformity Credential (DCC)

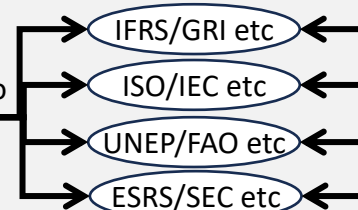


Trust

UNDERSTAND the data



maps to



catalogs

Sustainability Vocabulary Catalogue (SVC)

VALUE the data

Business Case Template (BCT)

Individual organisation business case for UNTP implementation

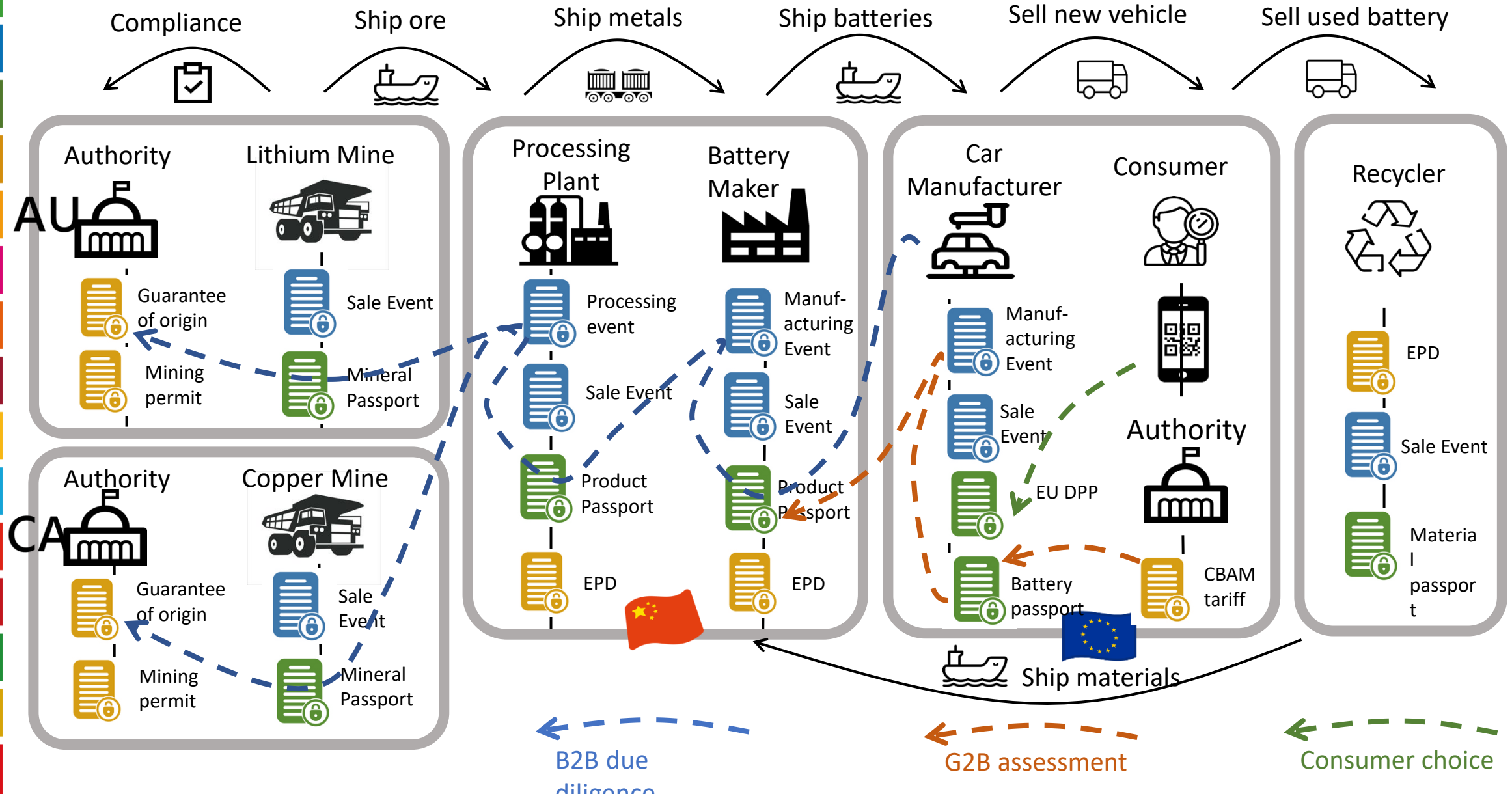
Community Activation Program (CAP)

A community level business case for collective action.

Value Assessment Framework (VAF)

Ongoing post-implementation reporting to track value.

So that an entire value chain can “materialise”



UN/CEFACT Recommendation 49 & UNTP	CEN/CENELEC/NEN Digital Product Passport (DPP)
Status: Adopted 	Status: In Development 
UN/CEFACT Recommendation 49, "Transparency at Scale," was officially adopted in July 2025.	The European Commission has mandated CEN and CENELEC to develop harmonized standards for the EU's Digital Product Passport.
This recommendation provides the global policy framework for verifiable sustainability claims.	This work is a direct result of the Ecodesign for Sustainable Products Regulation (ESPR) to foster a circular economy.
The United Nations Transparency Protocol (UNTP) is the technical instrument to implement the recommendation's goals.	The CEN/CENELEC Joint Technical Committee 24 (JTC 24) is developing foundational standards for EU DPP
The final draft was completed after several rounds of public review and international collaboration.	Draft standards are currently under public review until September 18, 2025, with final publication planned for March 31, 2026.
	The DPP will become mandatory in phases, starting with batteries and textiles in 2027 and expanding to other sectors like electronics and construction from 2030.

One of the
biggest
challenges is
thinking
differently

Trustworthy digital data must move
between millions of business systems.

The most scalable way to do it is to avoid
the need for system-system connections!

Verifiable
Credentials Profile
(VCP)

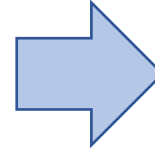
Digital Identity
Anchor
(DIA)

Passport analogy.

VCP & DIA = like a chip in a passport,
but for any trade document

<https://opensource.unicc.org/un/unece/uncefact/spec-untp>

To Join UNTP Adoption Group



Contact Michael !

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