



PIACENZA

Made consciously in Italy since 1733

Who is Piacenza

PIACENZA IN NUMBERS



YEAR	EMPLOYEES
2022/23	284
2021	260
2019	257



166 MALE EMPLOYEES > 58,4%



118 FEMALE EMPLOYEES > 41,6%

AVERAGE EMPLOYEE AGE 46,3

ELECTRIC ENERGY FROM RENEWABLE SOURCES



3.018.728 kWh

From cogeneration: 100%

A photovoltaic system was installed in 2021 in order to cover 100% renewable energy.

CHEMICAL PRODUCTS USED



80% Products approved by MRS L ZDHC

20% Products to be substituted

WATER CONSUMPTION

100% of the surface and ground water used during the production process is treated and reinstated in nature as part of a recirculation process.



Piacenza Group



Group Group

WWD
WOMEN'S WEAR DAILY

≡ MENU

French Department Store Galeries Lafayette Expands to India

WWD

THE NEWS THAT FUELS THE FASH

Lanificio Fratelli Cerruti Has a New Owner

Fellow Biella, Italy-based Gruppo Piacenza has bought out the storied mill, 10 months after Nino Cerruti's death.

By MARTINO CARRERA  NOVEMBER 4, 2022, 2:24PM



The premises of Lanificio Fratelli Cerruti in Biella, Italy. COURTESY OF LANIFICIO FRATELLI CERRUTI




PIACENZA
1733

European Community of Practice for a Sustainable Textile Ecosystem

TRICK



Content

- 01 Intro & Basic Pilot Information
- 02 Pilot Challenge & Value
- 03 Data Value Chain & KPIs

Sustainability declarations

Traceability as a key enabler of sustainability

“An assessment of **232 active ecolabels** in the EU also examined their verification and certification aspects and concluded that almost **half of the labels**’ verification was either **weak or not carried out**.”

– DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on substantiation and communication of explicit environmental claims (Green Claims Directive) – 03 2023



TRICK Initiative

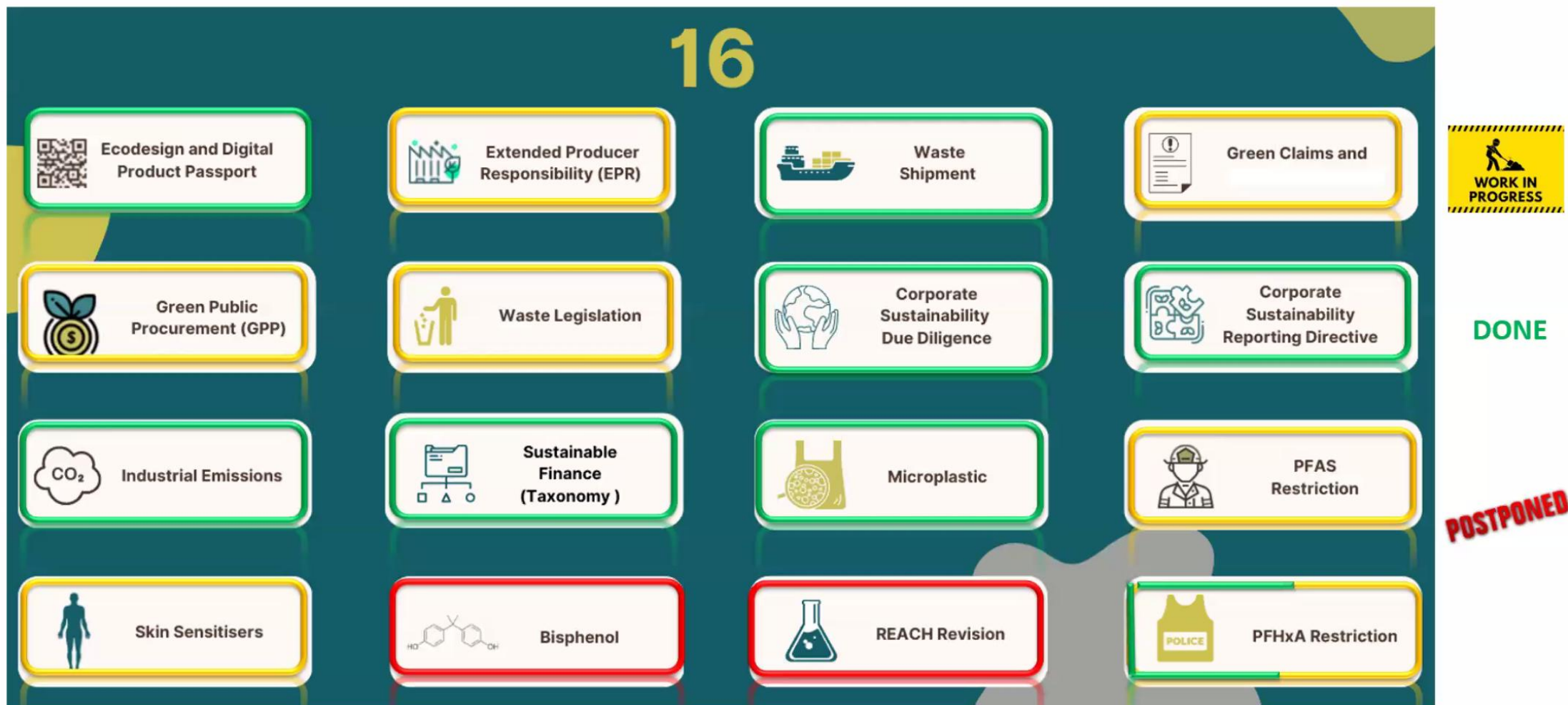
Traceability as a key enabler of sustainability

“Moreover, **consumers are not aware** of the **distinction** between **labels governed by third party** certification schemes and those based on **“self-certifications”, i.e. not verified by any third party.** “

– DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on substantiation and communication of explicit environmental claims (Green Claims Directive) – 03 2023



Where do we stand with the Green Deal's 16?



Laws with impact on our companies today



Laws with impact by 2026

16



Ecodesign and Digital Product Passport



Extended Producer Responsibility (EPR)



Waste Shipment



Green Claims and textile labelling



Green Public Procurement (GPP)



Waste Legislation



Sustainable Finance (Taxonomy)



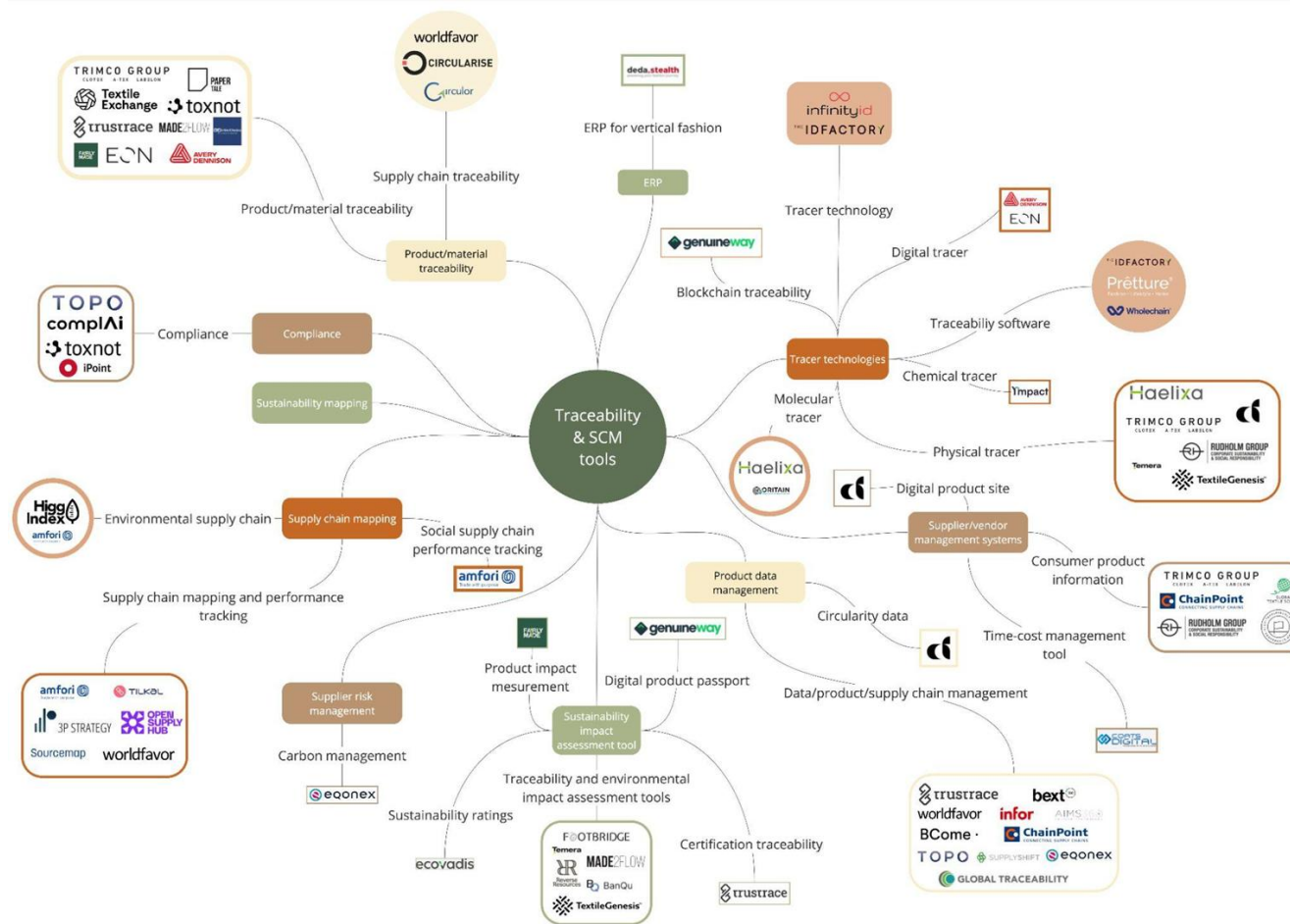
Skin Sensitisers



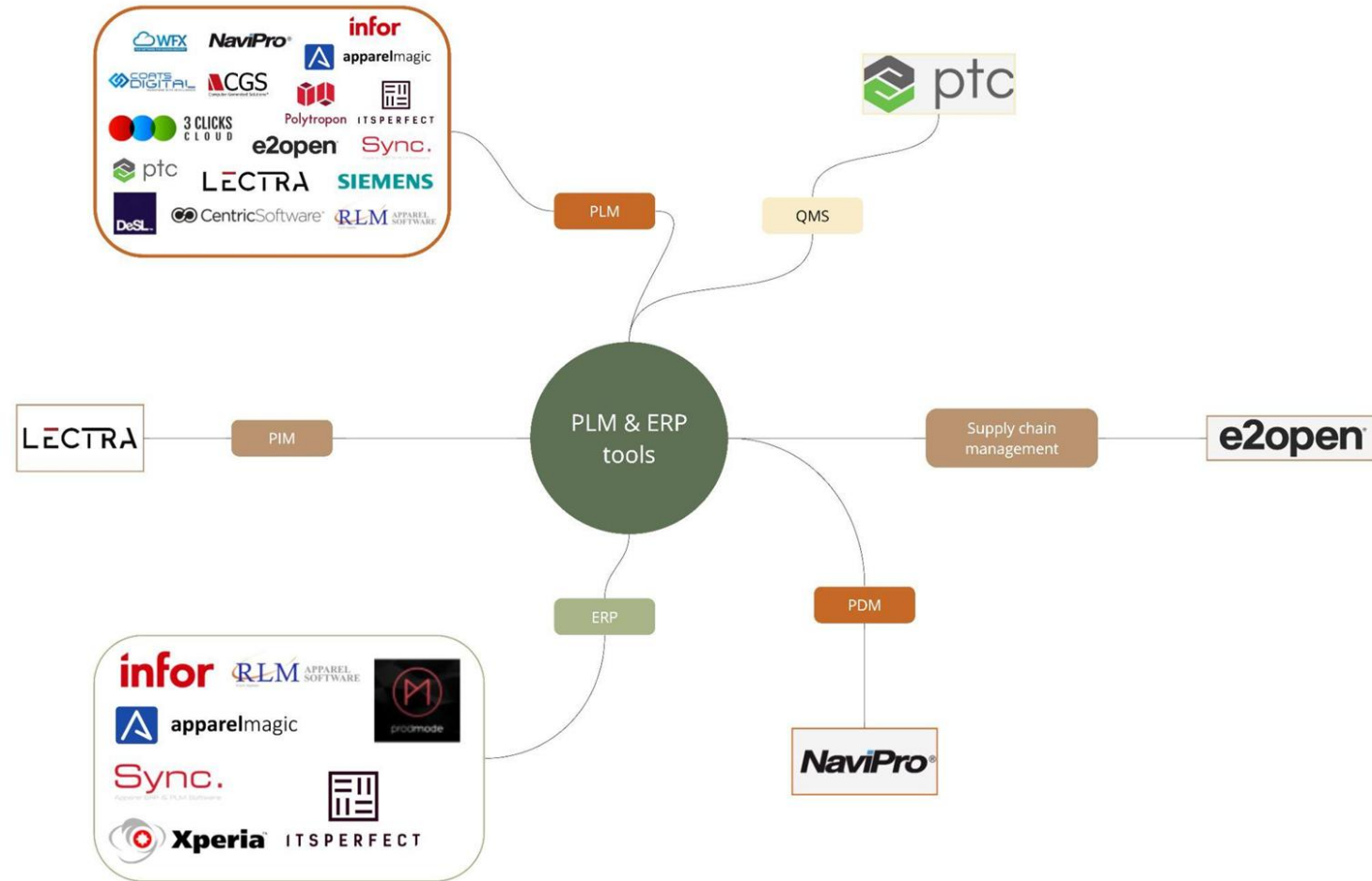
PFHxA Restriction



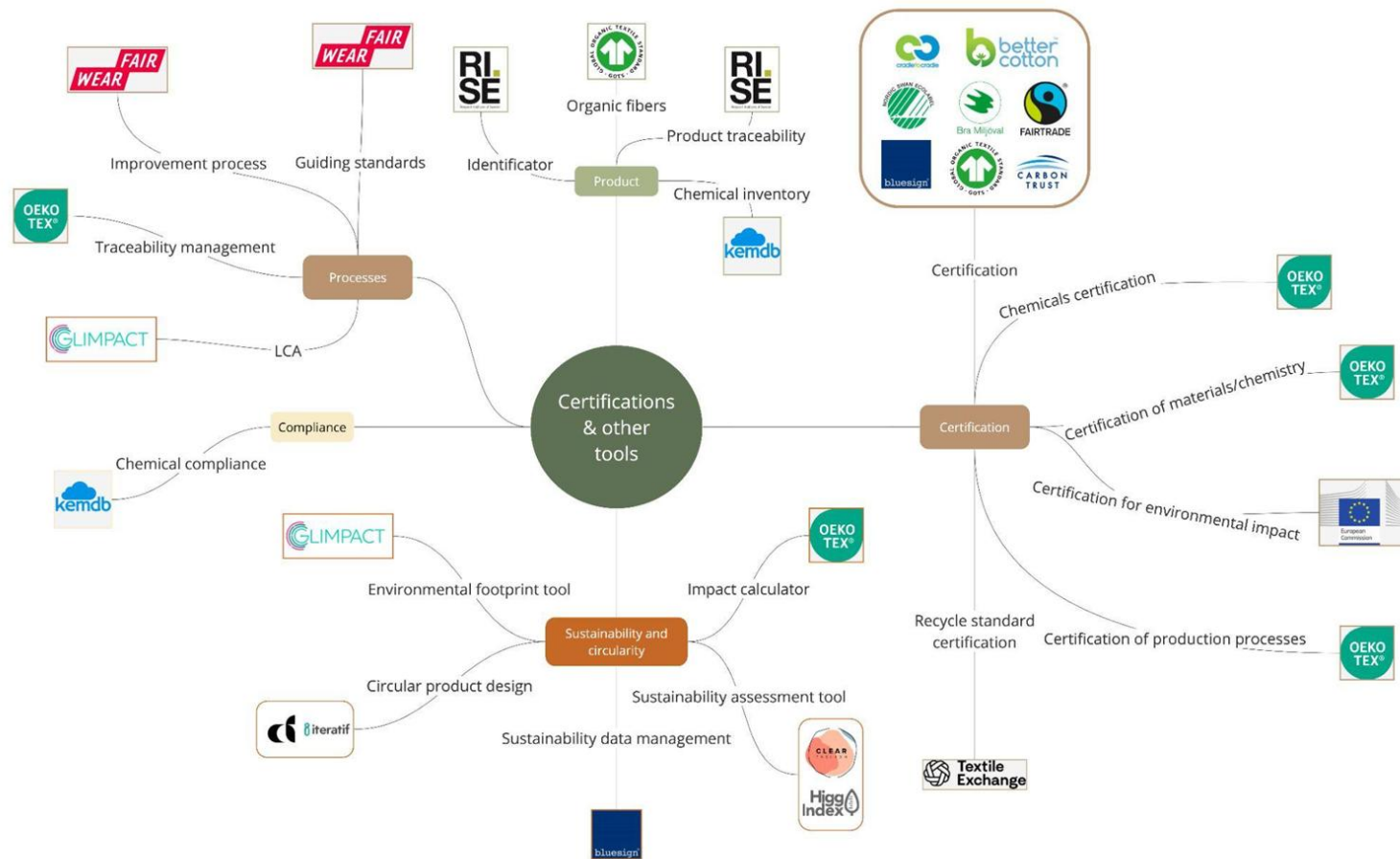
Mapping of Traceability & SCM tools



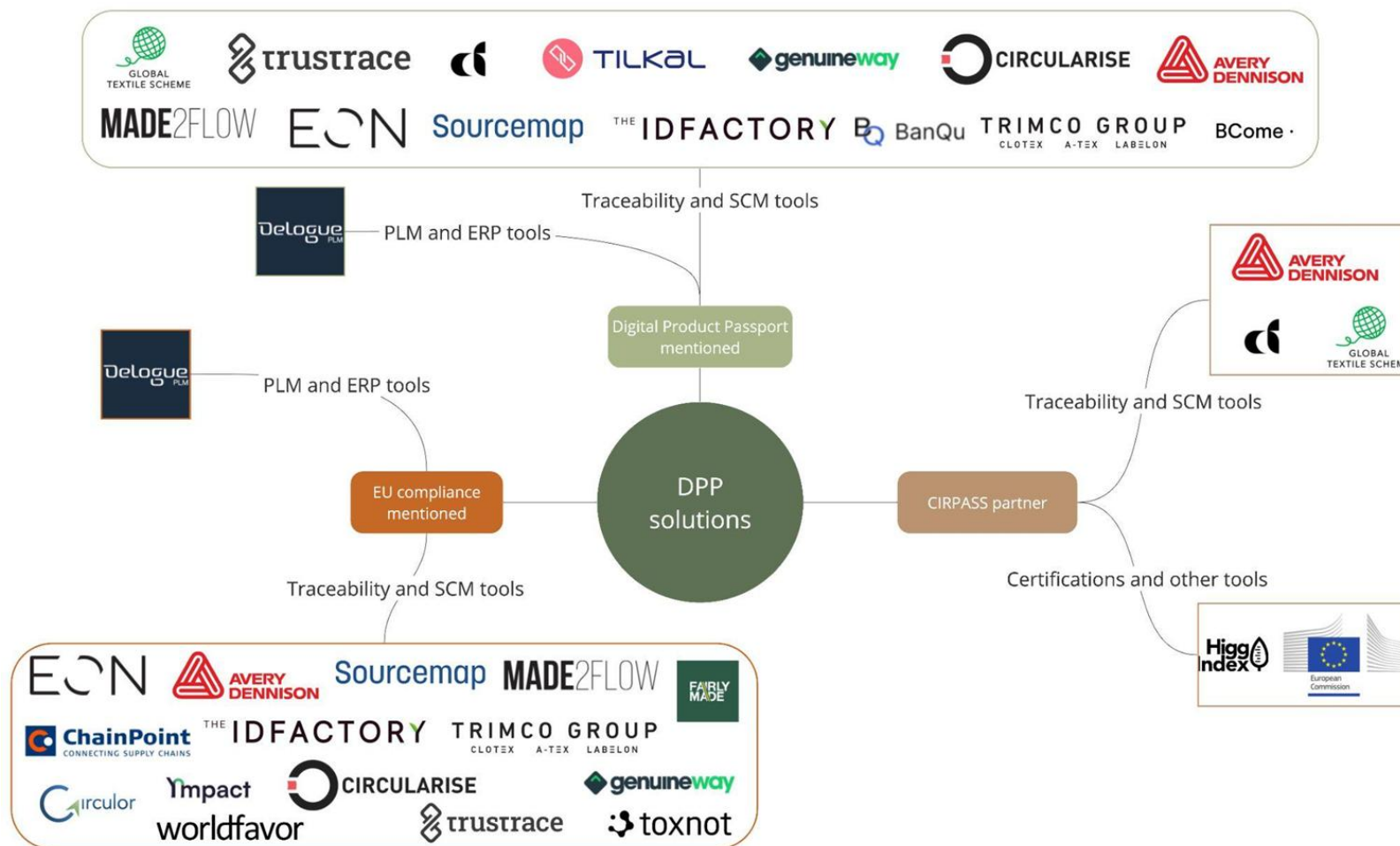
Mapping of PLM & ERP tools



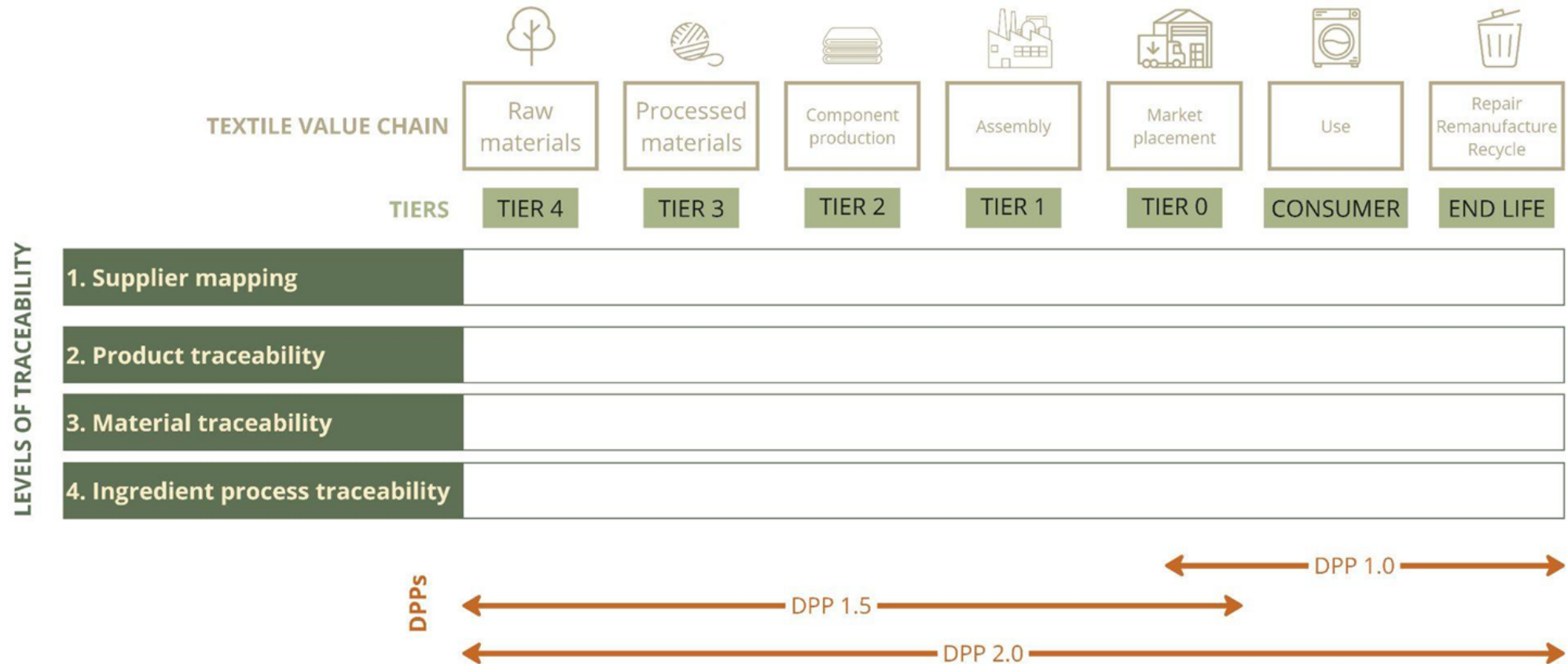
Mapping of certification & other tools



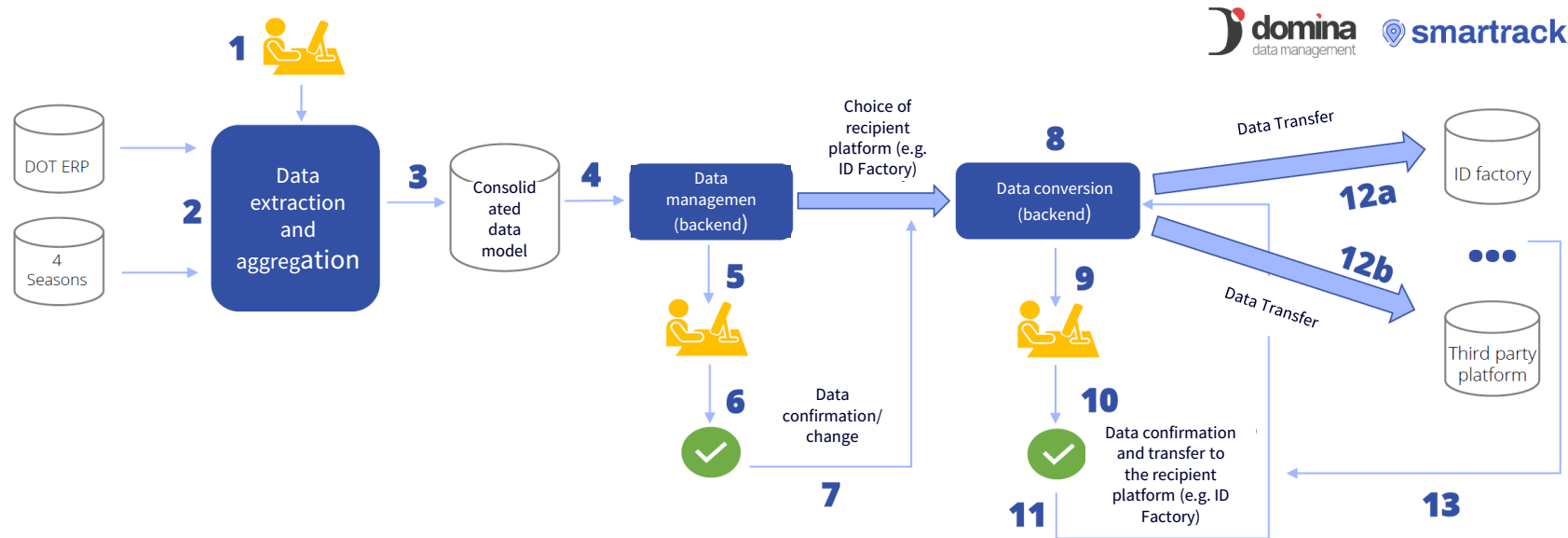
Mapping of DPP solutions



Traceability tool matrix - Four levels of traceability vs Tiers vs DPP solutions



Current solution - to be adopted in Piacenza Group



1. The Piacenza user accesses a web interface connected to DOT ERP and 4 Seasons databases to select the customer and the order for which data extraction is required.
2. The 'Data Extraction and Aggregation Process' module queries the DOT ERP and 4 Seasons databases and extracts the data.
3. The data is stored in a consolidated data model by Domina, enabling subsequent modules to access and convert it into the destination platform's data model (e.g. ID Factory).
4. Data becomes available to both the data management system (backend) and the web interface (frontend).
5. The web interface allows the Piacenza user to verify the extracted data from DOT ERP and 4 Seasons as they appear in the source databases.
6. The user can edit the data (edits are not retroactive on DOT ERP or 4 Seasons) and confirm it for sending to the conversion module.
7. The data is sent to the data conversion module (backend).
8. After confirmation, the user selects the destination platform (currently ID Factory, other third-party platforms may be supported in the future).
9. The conversion module translates the consolidated data model into the data model of the destination platform.
10. The interface allows the user to verify the converted data.
11. After verification, the data is sent to the destination platform.
12. The conversion module sends the data via API: (a) To ID Factory, (b) To a third-party platform.
13. Confirmation of data acquisition is received from the destination platform. The 'history of data sent' section is updated accordingly.



Conclusions & Lessons Learned

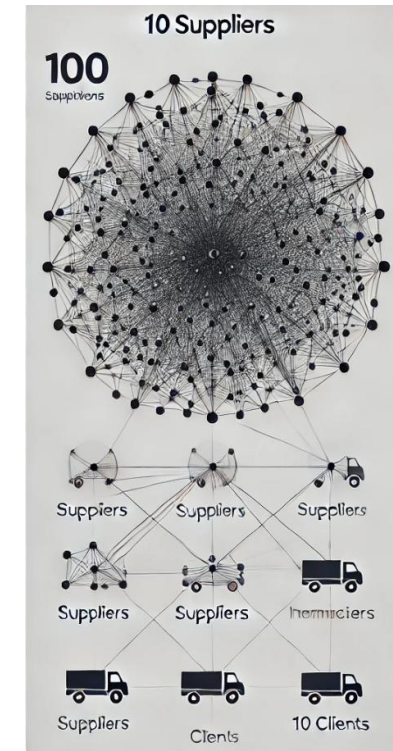
Textile & Clothing

Lack of standardisation of data transfer: at present each clothing brand is collecting traceability and sustainability data by its own specific solution, with **different levels of details** and **lack of standardization**.

Ecodesign and DPP regulation can support the convergence towards compliance, then to **the same data model**. But the problem related with **data transfer** through the players of the value chain remains a bottleneck.

There is a **strong pressure of some IT suppliers against data portability**, to impose their own solutions, **with duplication of cost** and **low affordability for SMEs**

The **adoption of TRICK** platform and of similar solutions, based on a **compliant data model** and of the **portability of data**, can enable a rapid, low cost and efficient transfer through the very fragmented value TC, **affordable for SMEs**.



SM4RTENANCE

Trusted Data Sharing for Manufacturing Equipment Industry

EY Japan digital Week
April 4th, 2025

Textile pilot – Alessandro Canepa (Piacenza)

Basic Information

Participants:

- Piacenza
- Domina
- Syxys

Countries Involved:

- Italy
- Lithuania

Application Categories:

Circular Manufacturing, Digital Product Passport (DPP), Business Data & Partner Management, Traceability, Environmental & Social Standards, Product Carbon Footprint (PCF), Predictive Realtime Information

Industrial Processes:

- BP1: raw material treatments
- BP2: spinning
- BP3: weaving
- BP4: finishing and dyeing

Sector:

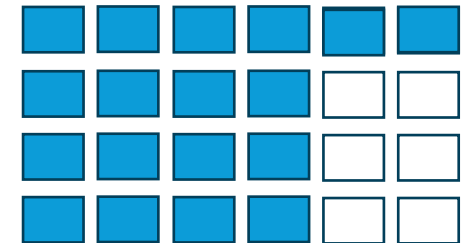
textile & clothing

Product:

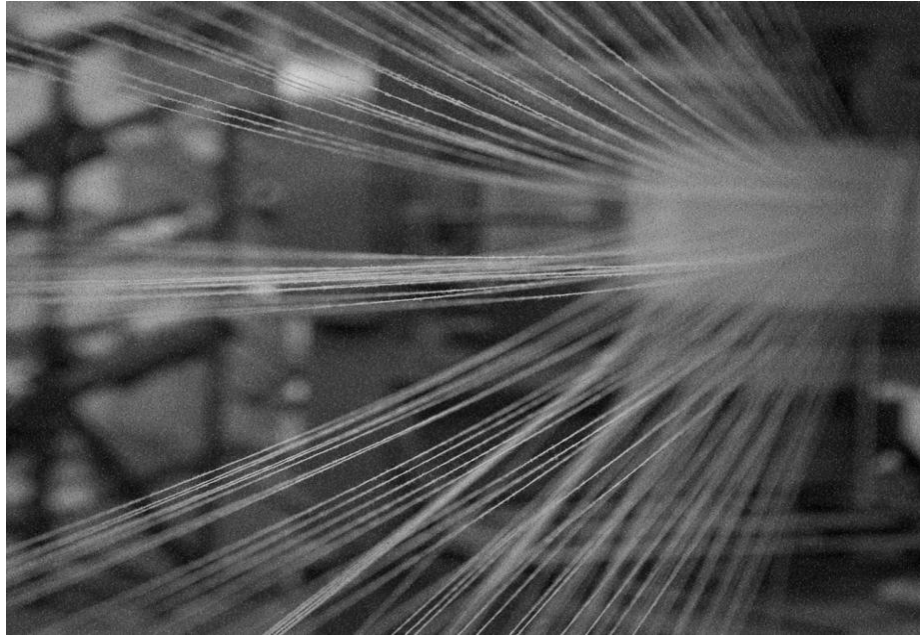
fabrics for fashion

Life-Cycle Scope:

- ☐ Circularity
- ☐ Planning & Commissioning
- ☐ Smart Production & Operations
- ☐ Smart Maintenance



Challenge & Value



SM4 Data Space Value:

SM4RTENANCE aims to integrate standardized Digital Product Passports (DPP) into the TRICK platform (www.trick-project.eu), enabling seamless management of both product and asset circularity. It will demonstrate how dataspaces will enhance circularity in manufacturing.

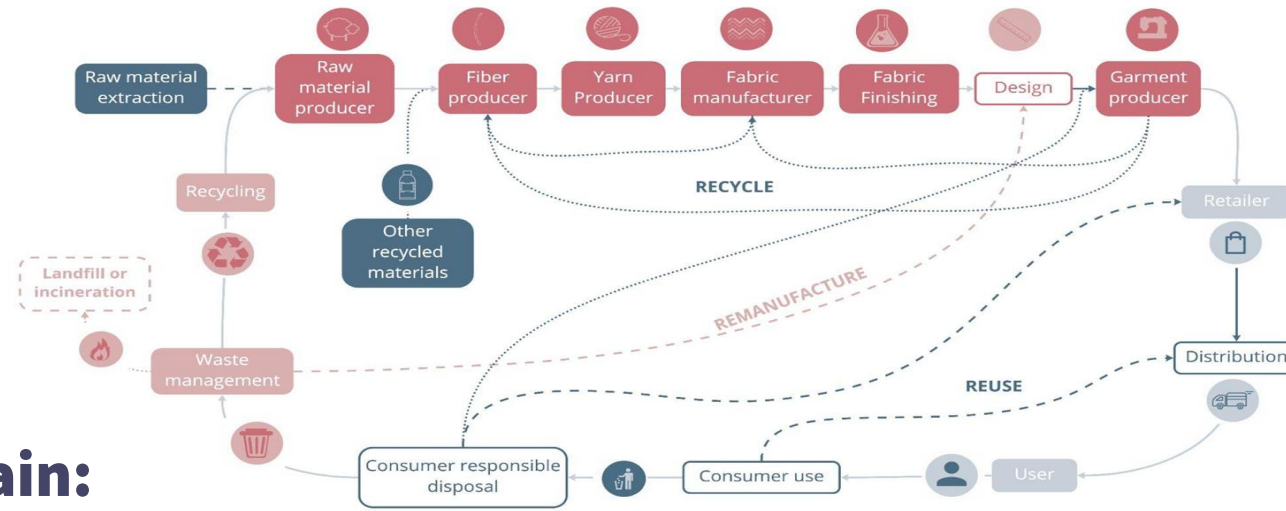
The exploitation of dataspace for manufacturing will implement ensure reliable and rapid data sharing for full environmental compliance, in line with the European Data Spaces Technical Framework.

Challenge:

PIACENZA is extending its European TRICK platform, originally developed for circular textile product management to incorporate circular aspects and data management for DPP, PEF and traceability among all the companies of Piacenza Group (first Piacenza and Cerruti) and component suppliers of raw materials and yarns.

The pilot aims also to achieve agile supply chain management and execution by monitoring and exchanging data such as purchase orders, sales orders, inventory levels, order progress, demand forecasts, and the use of raw materials, chemicals, and energy across the value chain.

Data Value Chain & KPIs



Data Value Chain:

1) Data Capture and Monitoring: Continuous monitoring of supply chain elements such as purchase orders, sales orders, inventory levels, and energy use. **2) Traceability Management:** Utilizing the TRICK platform and blockchain infrastructure to manage traceability for both products and manufacturing equipment. **3) Certification Integration:** Employing tools like Smartrack for auto-certification and certification of industrial processes, ensuring alignment with sustainability standards. **4) Data Space Interaction:** Gradual adoption and alignment of manufacturing data spaces (e.g., Piacenza and Cerruti) with EU data space frameworks to support circular economy objectives.

KPI: DPP data management

100% data shared among the value chain

KPI: Data accuracy and integrity

99 % data accuracy

KPI: Data space user experience

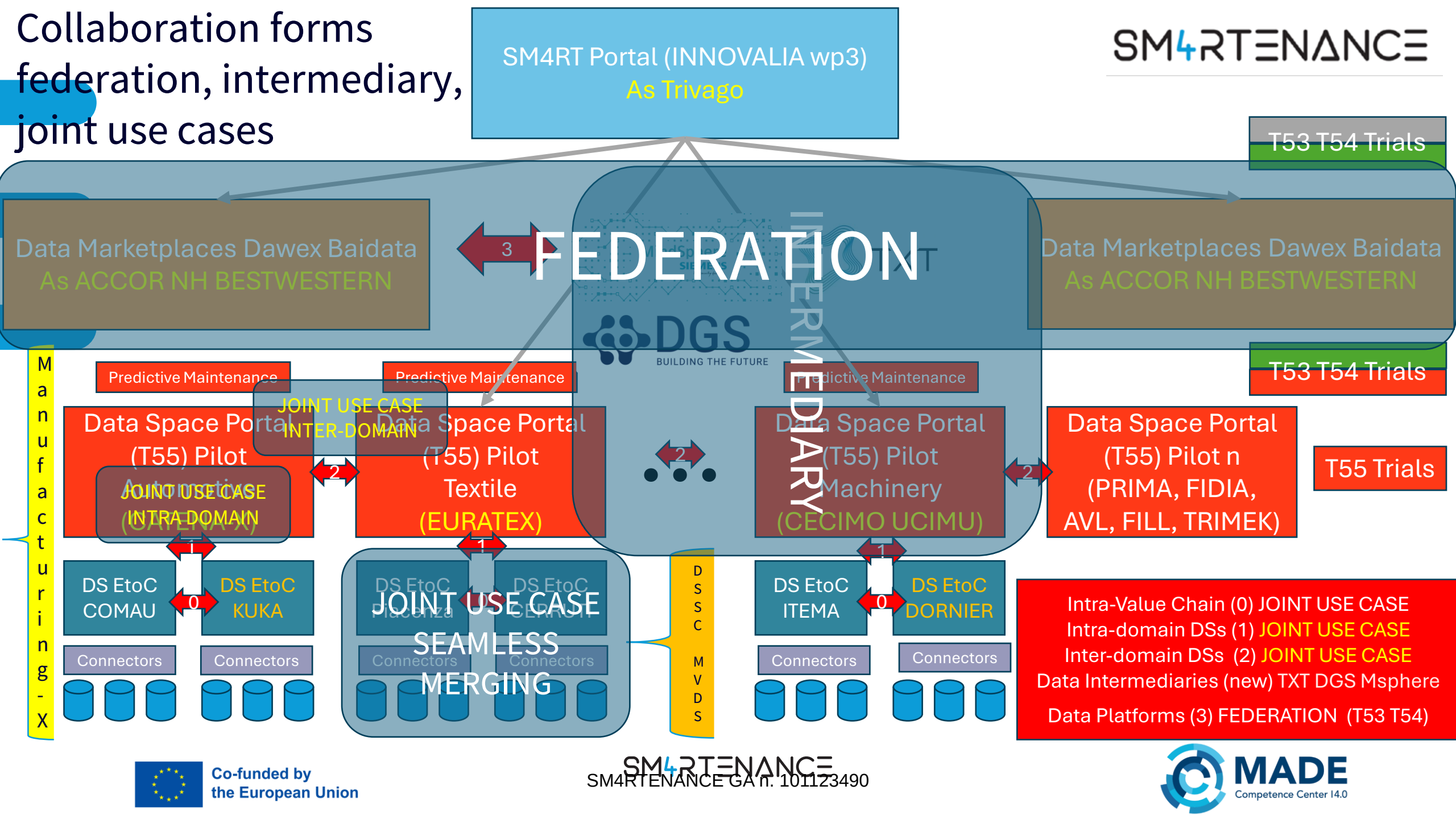
>90%

KPI: Data infrastructure performance

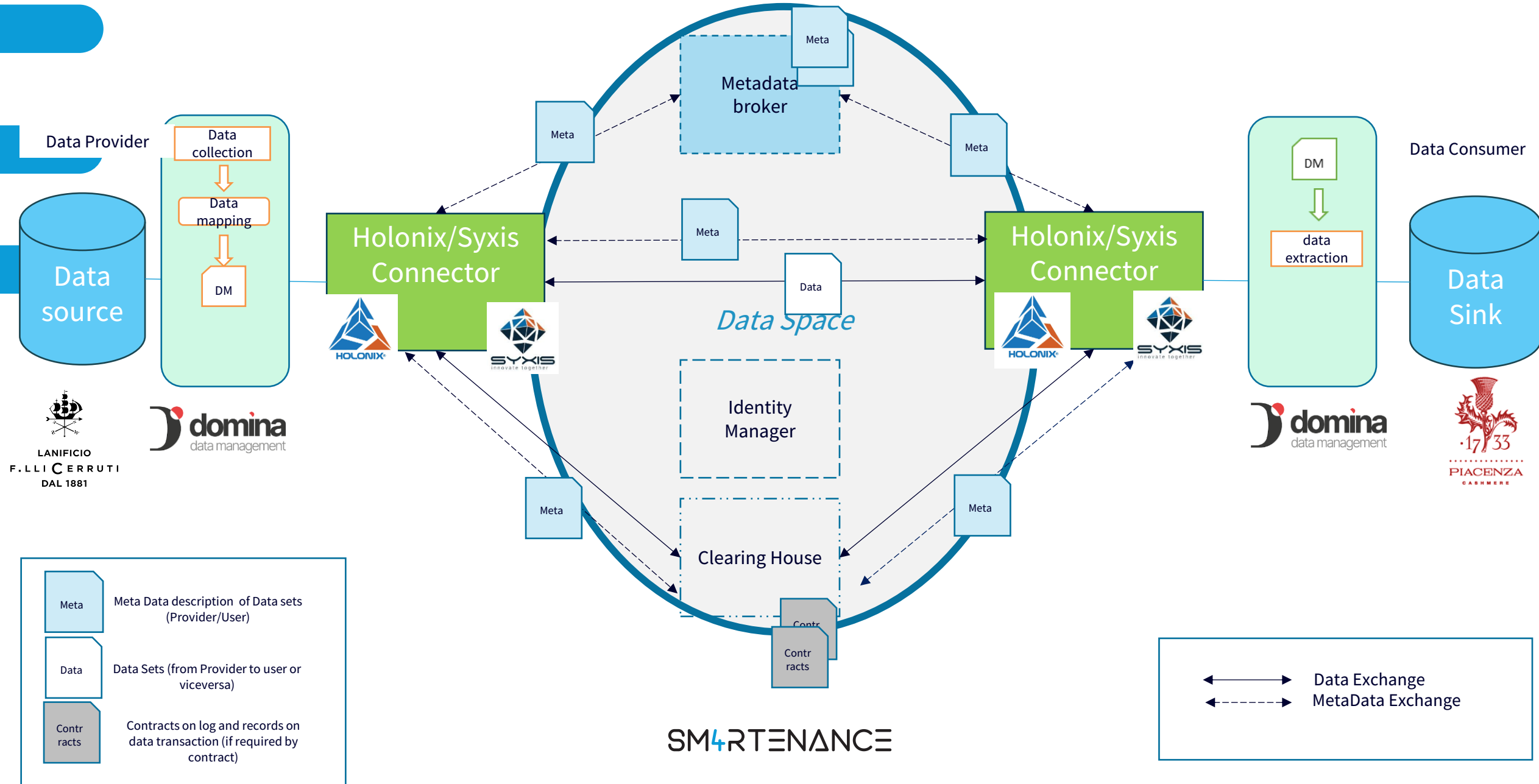
<1% error rate during data transmission operations

SM4RTENANCE

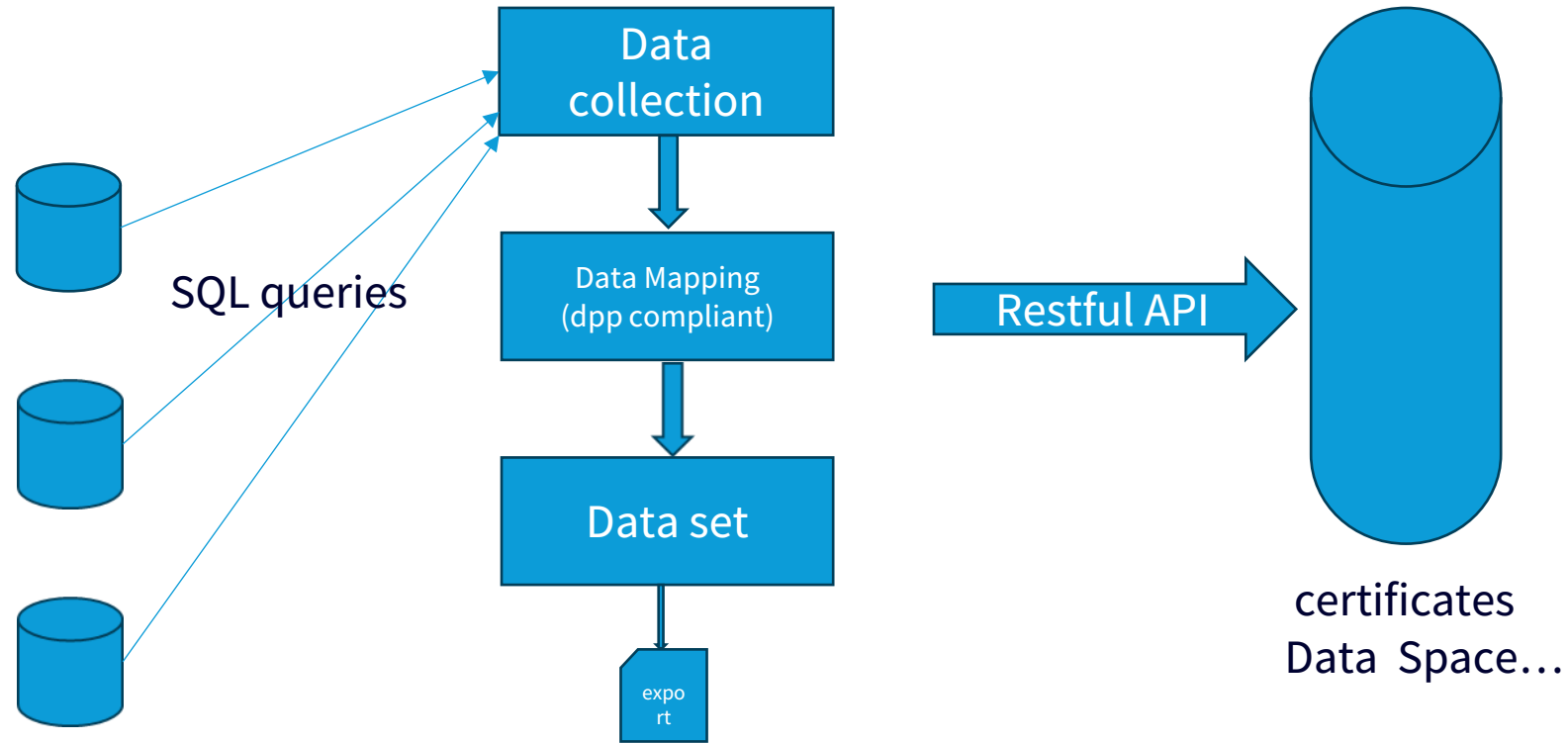
Collaboration forms
federation, intermediary,
joint use cases



Architecture snapshot



Data extraction (Domina)



ERP(Data provider)

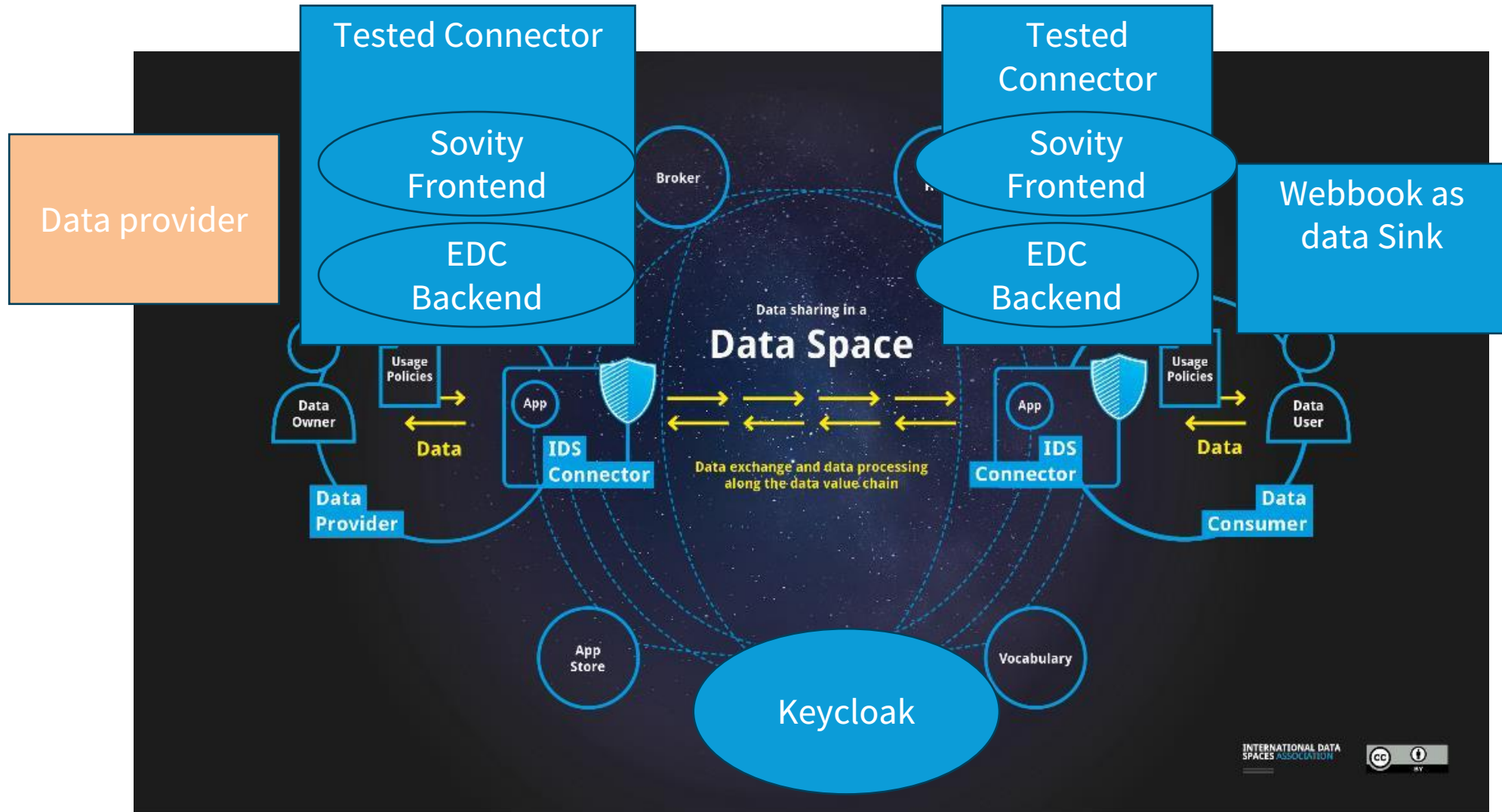
(Data consumer)



SM4RTENANCE



Data Space components (Syxis)



Data Value Chain



Fabric
producer

Data Shared:

- DPP data
- PEF data
- Manufacturing data

LOGO

Raw material
supplier

Data Shared:

- DPP data
- PEF data
- Manufacturing data

SM⁴RTENANCE



PIACENZA GROUP

Owner

SM⁴RTENANCE

Weaving
supplier

Data Shared:

- DPP data
- PEF data
- Manufacturing data

LOGO

Yarn
Supplier

Data Shared:

- DPP data
- PEF data
- Manufacturing data



SM4RTENANCE

Trusted Data Sharing for Manufacturing Equipment Industry

Thank you!

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