

## Keynote 3

### CIRPASS project - Details around the future Digital Product Passport

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Meeting, 25<sup>th</sup> of May 2023

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## Agenda

Today - overview

- **ESPR - Ecodesign for Sustainable Products Regulation**
- CIRPASS project supporting Digital Product Passports (DPP).
- CISUTAC project supporting ESPR.
- What are the biggest challenges on the way to DPP?

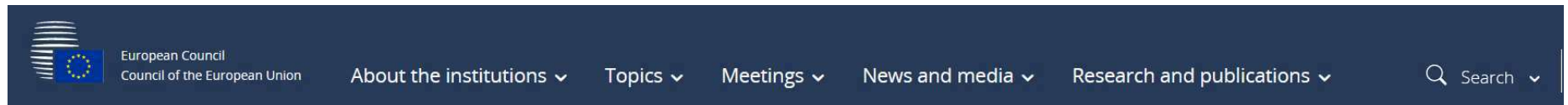
*ESPR - Ecodesign for Sustainable Products Regulation*

**Objective**



*Publiced on March 30<sup>th</sup> 2022 ,  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A52022PC0142>*

*Objective is to make sustainable products the norm on the EU market*



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● Council of the EU Press release 22 May 2023 11:07

**Ecodesign regulation: Council adopts position**

The Council has adopted its position ('general approach') on the proposed regulation establishing a framework for setting ecodesign requirements for sustainable products. The new regulation will replace the existing 2009 directive and enlarge the scope to set environmental sustainability requirements for almost all kind of goods placed on the EU market. It establishes a Digital Product Passport and sets out rules regarding transparency about and prohibition of the destruction of unsold consumer goods.

<https://www.consilium.europa.eu/en/press/press-releases/2023/05/22/ecodesign-regulation-council-adopts-position/>

## *ESPR - Ecodesign for Sustainable Products Regulation*

### **Objective**

- A broader framework to establish harmonized rules on environmental sustainability to accelerate the transition to a climate-neutral, resource-efficient and circular economy.
- Reduce pollution and resource use.
- Creating economic opportunities for innovation, in particular in remanufacturing, recycling and repair.

ESPR - Ecodesign for Sustainable Products Regulation

Current EU regulatory activities as a game changer



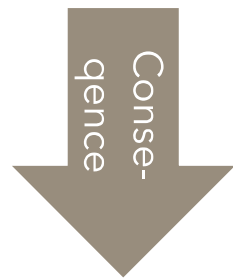
Brussels, 30.3.2022  
COM(2022) 142 final  
2022/0095 (COD)

Proposal for a

**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
establishing a framework for setting **ecodesign requirements for sustainable products** and repealing Directive 2009/125/EC

(Text with EEA relevance)

{SEC(2022) 165 final} - {SWD(2022) 81 final} - {SWD(2022) 82 final} - {SWD(2022) 83 final}



Delegated Act  
**Textiles first!**



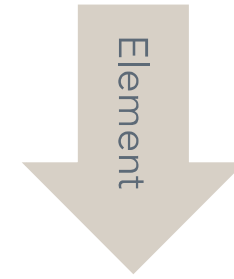
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022DC0141>



Brussels, 30.3.2022  
COM(2022) 141 final

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS**

**EU Strategy for Sustainable and Circular Textiles**



Digital Product  
Passport (DPP)



<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A52022PC0142>

## ESPR - Ecodesign for Sustainable Products Regulation

### Proposed actions (1)

- The proposal intends to cover a wide range of product groups and will use ecodesign approach to set product-level requirements that promote energy efficiency, circularity and reduced environmental and climate impact
- The requirements will be laid down in product-specific legislation and will include rules on:
  - durability
  - reliability
  - making products reusable, upgradeable, repairable and easier to maintain and renovate
  - energy and resource efficiency
  - The rules could also cover the substances that inhibit circularity as well as the amount of recycled content contained in products, as well as ways to make them easier to remanufacture and recycle



## ESPR - Ecodesign for Sustainable Products Regulation

### Proposed actions (2)

- The proposal will also make it possible to set information requirements for products to inform about the impact of products in making more sustainable choices
- Digital product passports will be rolled out for all regulated products. Product information can also take the form of "performance classes" – for example, "A to G" – to facilitate comparisons between products, possibly in the form of a label.



*ESPR - Ecodesign for Sustainable Products Regulation*

**Proposed actions (3)**

- Mandatory criteria for green, green, public procurement
- Focus on maintaining tangible value through measures to prevent the destruction of unsold consumer products, including far-reaching transparency requirements for those who choose to dispose of unsold goods and the possibility of prohibiting their destruction (for relevant product groups)
- The proposal will make it possible to lay down rules for all physical goods placed on the market or put into service, including intermediate products. Only a few sectors, such as food, feed and pharmaceuticals, are excluded

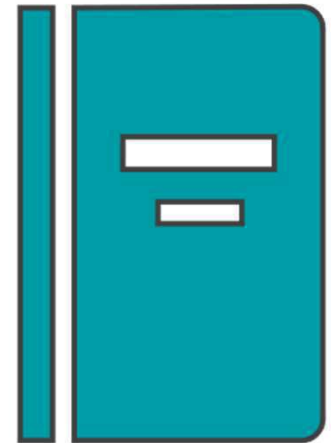




## ESPR - Ecodesign for Sustainable Products Regulation

### Digital Product Passports (DPP)

- The aim of implementing digital product passports is to:
  - Ensure that actors in the value chain have access to information relevant to them
  - Facilitate regulatory compliance verification
  - Increase product traceability



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- **CIRPASS project supporting Digital Product Passports (DPP)**
- CISUTAC project supporting ESPR
- What are the biggest challenges on the way to DPP?

18 months



CIRPASS : Collaborative Initiative for a Standards-based Digital Product Passport  
Stakeholder-Specific Sharing of Product Data for a Circular Economy



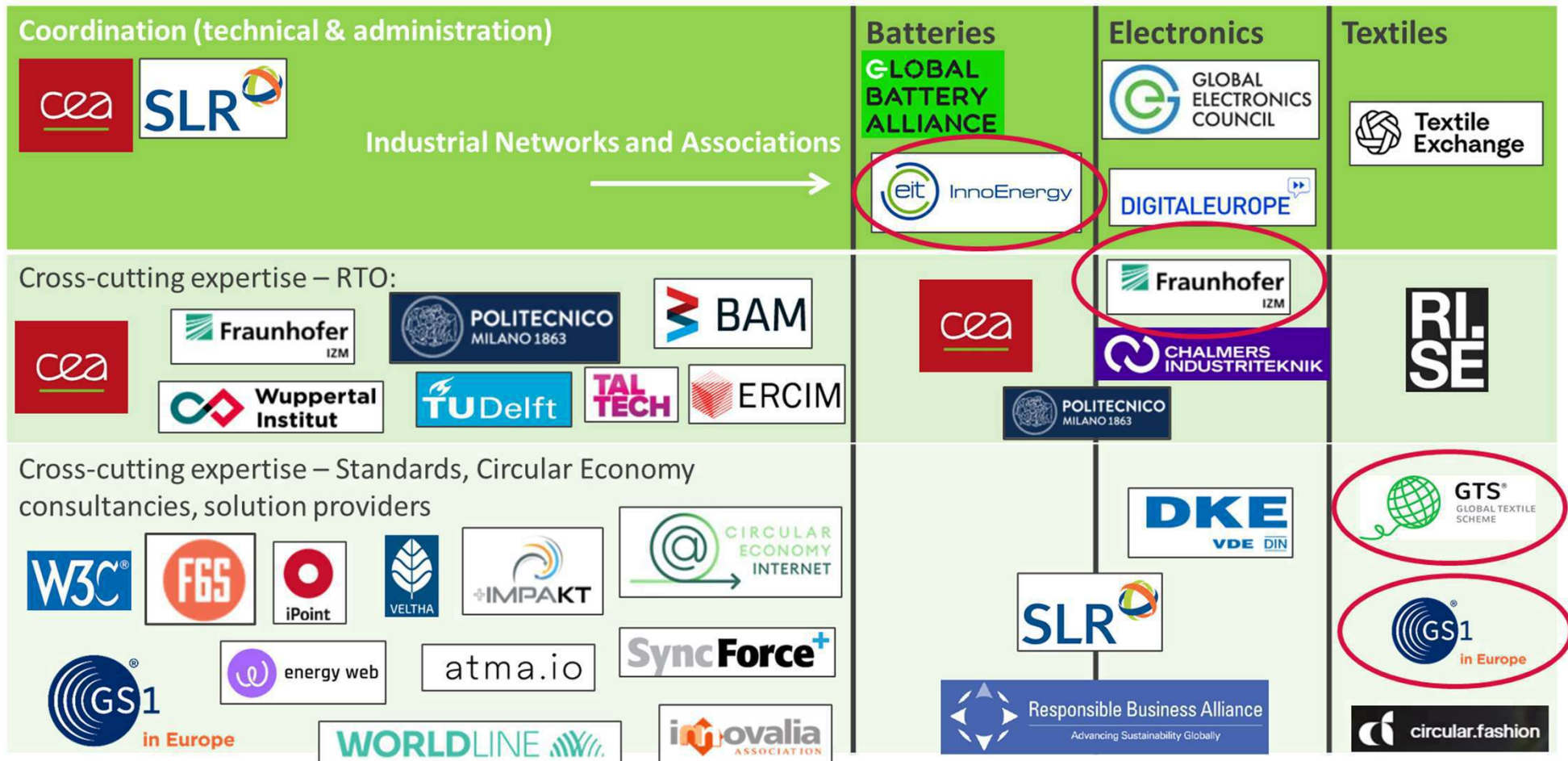
Co-funded by  
the European Union

# Core objectives & additional objectives

- *CO1 - Unambiguous cross-sectoral definition and description of the DPP*
- *CO2 - Define a cross-sectoral product data model with demonstrated usefulness for the Circular Econ*
- *CO3 - Clarify requirements related to product identification*
- *CO4 - Propose an open DPP data exchange protocol*
- *CO5 - Build stakeholder consensus on key data for circularity and related open standards to be included*
- *CO6 - Develop use cases and roadmaps for piloting, deployment and circular business value generation of cross-sectoral DPPs*
  
- *AO1 - Facilitation of cross-sectoral open stakeholder dialogue*
- *AO2 - Create an inclusive forum facilitating knowledge sharing and discussion (research and industry)*
- *AO3 - Provide an initial evaluation methodology of the potential net environmental benefit for specific products*

# Consortium - 30+1 partners

 Sector lead

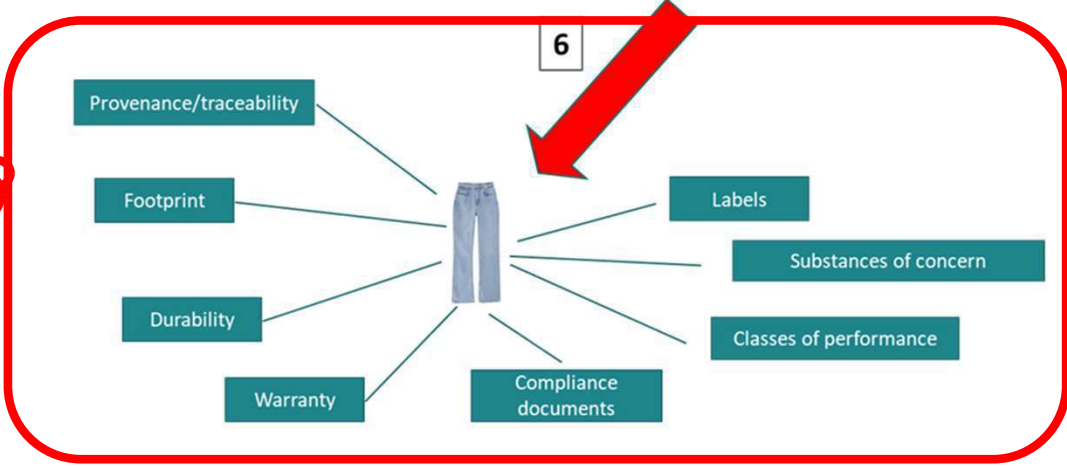
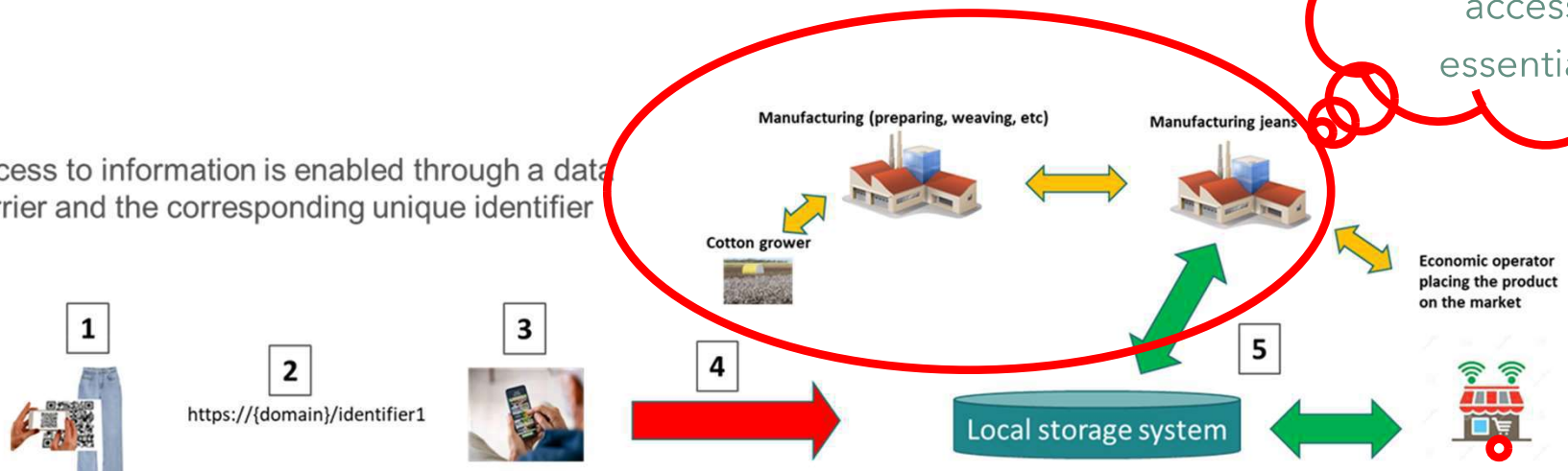


CIRPASS project supporting Digital Product Passports (DPP)

Not firm but foreseeable facets of the Digital Product Passport

Aligned & standardized end2end data access essential.

Access to information is enabled through a data carrier and the corresponding unique identifier



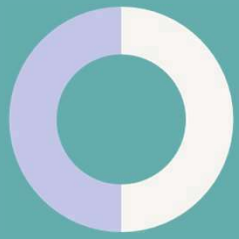
The main challenge will be how to get the data into the DPP (Focus of GTS standard)

Brands & Vertical retailers

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# CISUTAC

Circular and Sustainable Textiles and Clothing

Start: 1.09.2022  
48 months

**Among other topics:**

**RiSe: AI supported decision tree**

**GTS: Open Circular data standard  
(based on GTS)**



Co-funded by  
the European Union



# Task 2.3 Open data standard (M4-M36)

Task leader: GTS

Involved partners: RISE, TEXAID\_DE, TEXAID\_CH, EURATEX, WAR, TEXFOR, DECA, SIOEN, SODRA

- Involved partners will build further on the GTS data standard, which is currently focused on 'manufacturing', and combine it with the Tex.IT project results on use of RFID tags for sorting.
- First, we will further develop a standardized industry language, which will facilitate to efficiently record, transfer and share data relevant for all stakeholders in the value chain,
  - including sorting for reuse/recycling and
  - the specific information need of recyclers, e. g. on chemical content, crucial for chemical or mechanical recycling.

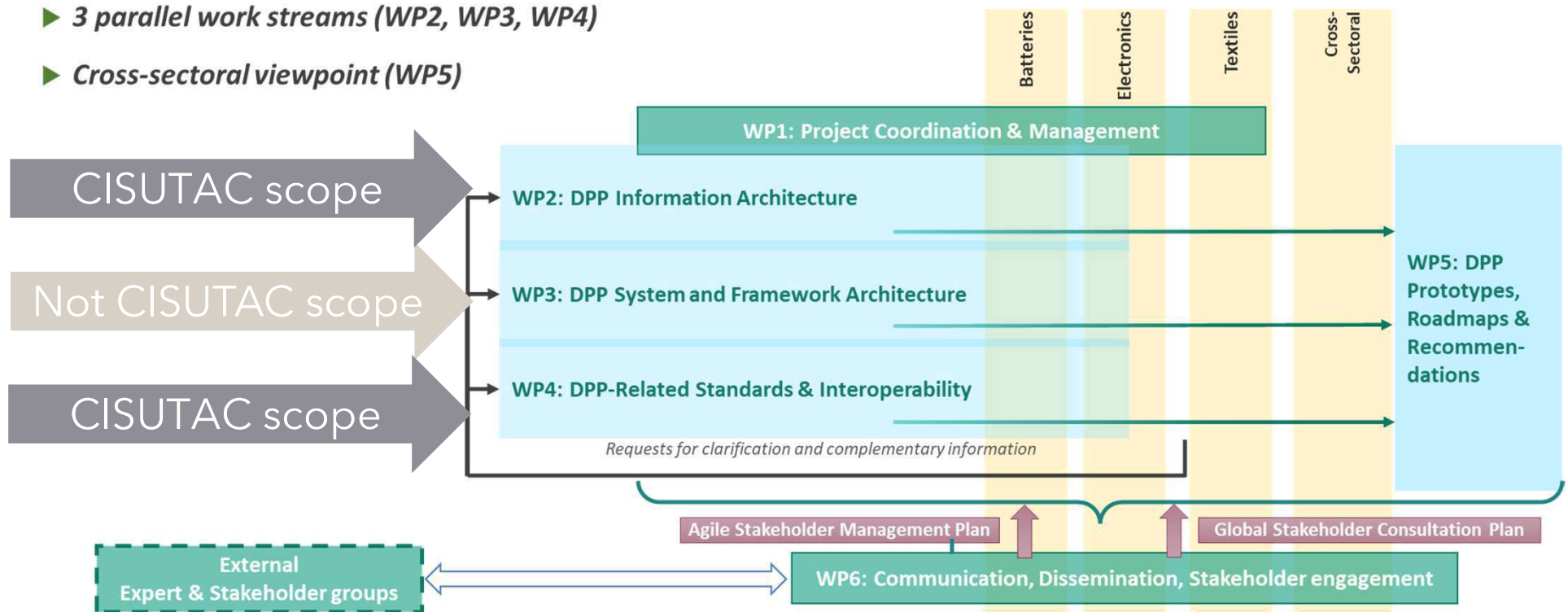
The latter is not included yet in the current GTS data standard.

- Further, we will develop and finalize data formats that support standard and consistent data input, use and exchange between stakeholders to offer a system following global principles and structures, ensuring access to data for relevant and authorized recipients.
- The work includes standardization mapping and activities (ISO, GSI, DIN and CEN) and will give input to the digital product passport scheme and the wider standardization activities (Task 5.4).

## How CISUTAC project supports ESPR?

### Where shall the data come from? The CIRPASS work package structure.

- ▶ 3 sectors
- ▶ 3 parallel work streams (WP2, WP3, WP4)
- ▶ Cross-sectoral viewpoint (WP5)



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- **What are the biggest challenges on the way to DPP?**

What are the biggest challenges on the way to DPP?

16 running EU legislations – where shall the data come from?



Source: <https://www.linkedin.com/feed/update/urn:li:activity:7059154999691366401/>

## What are the biggest challenges on the way to DPP?

Size matters



Source: [https://euratex.eu/wp-content/uploads/EURATEX\\_FactsKey\\_Figures\\_2022rev-1.pdf](https://euratex.eu/wp-content/uploads/EURATEX_FactsKey_Figures_2022rev-1.pdf)

## ***What are the biggest challenges on the way to DPP?***

A few important facts for „non textile sorters“

- The ESPR (Oekodesign directive) works on new business models, where “more success” doesn’t automatically mean “more use of resources”.
- < 1% of all recycled products in Europe turn into raw material.
- Textile waste is called feedstock and suddenly is material.
- There is currently less feedstock as recycling capacities (“Feedstock is king”).
- A small portion of valuable clothes pay for the processing of products with lower value.
- Consequences:
  1. The more secondhand markets increase, economical sorting becomes difficult
  2. We need to increase efficiency & automation
- Textile sorting is a critical element in this transition process

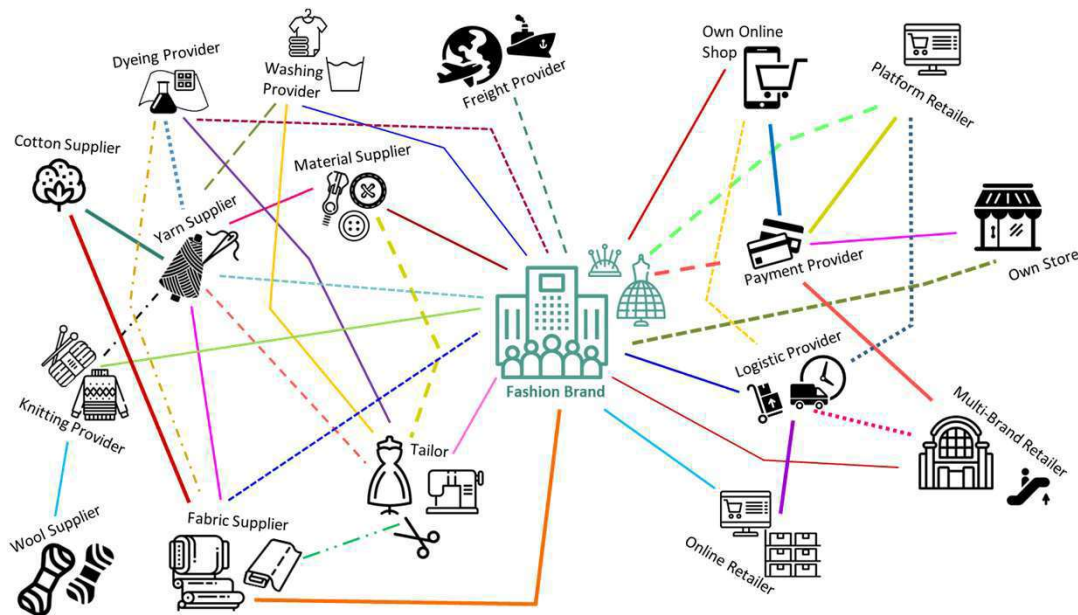
What are the biggest challenges on the way to DPP?

The data necessities of the new circular textile & fashion world.

"Old world" until 2020	Raw-Material supplier	Production material supplier	Producer	Brand	Retailer	Sorting	Second life	Repair	Dismantling	Chemical Recycling	Mechanical Recycling	Composting			
Type of Information															
Master Data															
BOM Data															
Care label Data															
Customs Data															
E-Commerce Data															
Sustainability Data															
Life Cycle Data															
Corporate Social Responsibility Data															
Sorter Data															
Recycling Data															
Certificate Data															
Selected Transaction data (Chain of Custody)															

## What are the biggest challenges on the way to DPP?

For a fast DPP deployment in textile we will need to overcome the following challenges and data exchange showstopper to answer the significant question “where shall the relevant data come from”?



### Macro reasons - outside companies

1) Missing end2end standards

2) Slow growing: IT Multiplier

3) Lack of rules from legislators

4) Structural organization

5) Lack of human resources

6) Panic

7) Poor Data quality

8) Lack of Know How

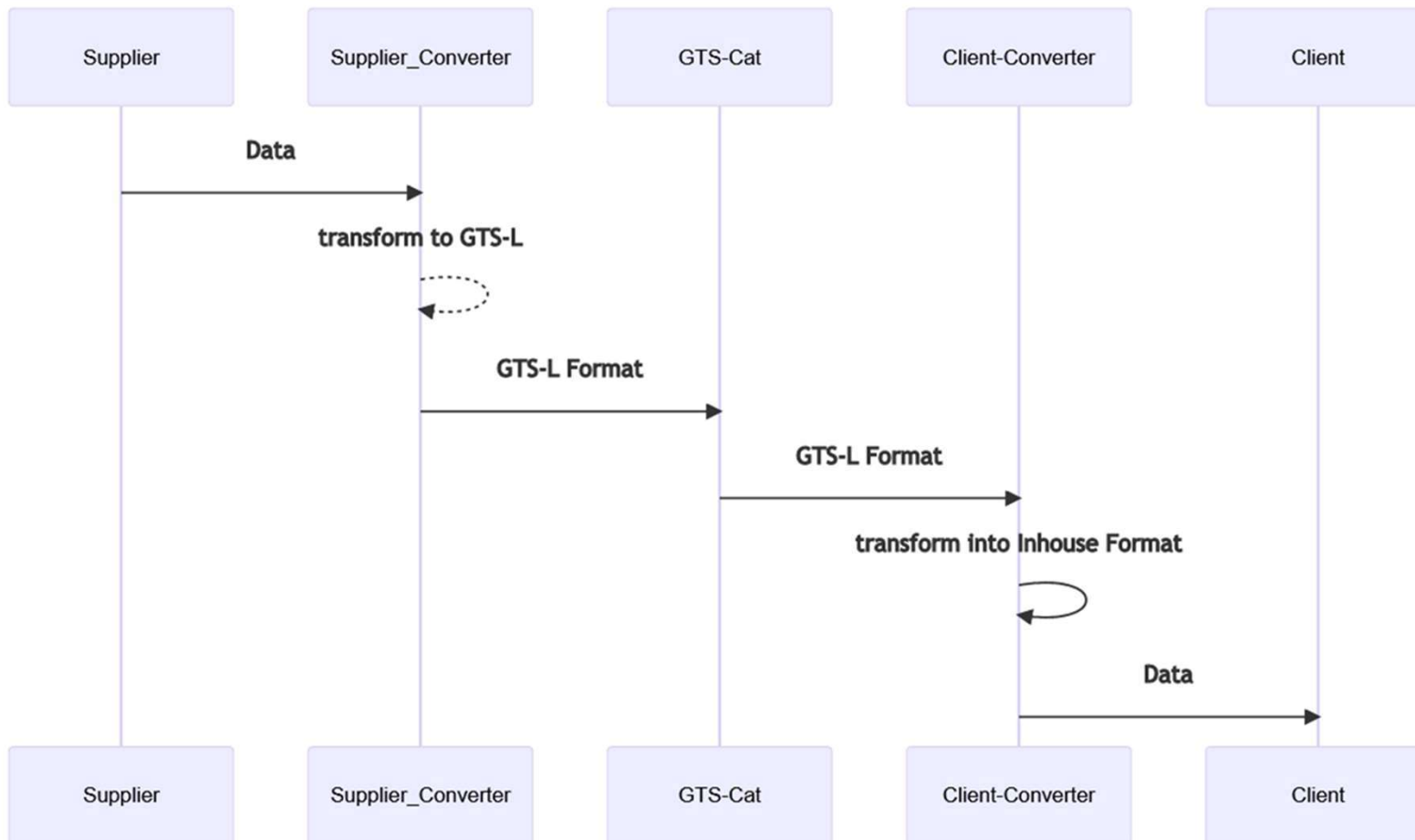
9) Lack of financial resources

10) Tradition



What are the biggest challenges on the way to DPP?

In my view the only feasible principle: Translation in one data format instead of harmonization.



With GTS: **one time translation per product class**

**ESPR is much more as fighting the climate change**

**The benefits overweigh by far the efforts - if we do it right and use existing standards like GTS**



## Global Textile Scheme Initiative

Master data-efficiency. Circularity. Specially now!



Global Textile Scheme (GTS) Initiative is an association of well-known IT providers and companies from the entire textile value chain.

GTS is a uniform industry standard for all textile value chains and provides a simple and inexpensive basis for efficient data exchange from fiber to recycling.

Any questions? We are here for you. Please visit us: [www.globaltextilescheme.org](http://www.globaltextilescheme.org)

**You give fashion a voice. We give it one language.**

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## Global Textile Scheme (GTS) at a glance

# The key to the textile future more efficient - faster - more sustainable



**GTS** enables you to enter the world of automated data exchange between suppliers, manufacturers, brands and retailers quickly and easily. With GTS cooperation becomes faster, safer and more sustainable. Don't miss the future - become a member now and secure the benefits.



**Our technology as "GTS enabler":** GTS-Cat supports the special GTS functionalities in the form of a platform and SAAS, such as the configuration of GTS L and data uploads to Excel - especially important for small companies.



### Five modules (Keys) for members:

- KEY ID:** Get Individual Company ID - free of charge.
- KEY TRY:** 4 months trial - free of charge.
- KEY One:** mainly for Suppliers & Manufacturers.
- KEY (One & Two):** mainly brands & retailers - Download Product-, Sustainability/Ecommerce data.
- KEY Three:** for all - Management of certificates.

### The principle:

- Automated, collaborative data exchange between suppliers, producers and retailers.
- Secure on-demand data import.
- Consistent and up-to-date product data, always and everywhere.
- Standardized transmission of e-commerce, sustainability and certificate data.
- No manual, multiple or redundant data entry.
- Needs-conform and individually configurable.

### The benefits:

- Reduced personnel and interface costs.
- Reliable database for sustainability and circular economy.
- Simple handling of certificates.
- Easy compliance with legal requirements.
- Easy implementation without training.
- Suitable for all company sizes.

### Investment:

- 4 months free trial period of all KEYS.
- Key One, Two & Three - revenue-based and modular membership fees as a monthly subscription model.
- Small download/usage dependent fee
- If not available: Invest in EDIFACT-Converter software for mapping existing data with the new language.

### GTS on YouTube

We recommend our GTS YouTube video:  
<https://www.youtube.com/watch?v=aCktvndY0aM&t=47s>



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