PRESENTATION

Session: **Sustainability from a Technical View**

Title: **GTS standard & Digital Product Pass – two circularity game changer at our doorstep**

Speaker: **Andreas R. Schneider,** Global Textile Scheme GmbH, Düsseldorf, Germany

Presentations are available in the conference archive: https://baumwollboerse.de/en/competencies/international-cotton-conference/speeches/

Conference Organization

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Cotton Decoded

GTS®
GLOBAL TEXTILE SCHEME

Global Textile Scheme Initiative
Master data-efficiency. Lead Time- & Cost-Reduction. Specially now!

Block: Sustainability from a technical view

Speech (virtual): GTS standard & Digital Product Pass – two circularity game changer at our doorstep.

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It is getting serious: EU Strategy for Sustainable and Circular Textiles → new rules

EUROPEAN
COMMISSION

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

The legislator side: EU Strategy for Sustainable and Circular Textiles – why Digital Product Pass

2. A new pattern for Europe: key actions for sustainable and circular textiles

2.4. Introducing information requirements and a Digital Product Passport

Clear, structured and accessible information on the environmental sustainability characteristics of products empowers businesses and consumers to make better choices and improves communication between actors along value chains, including producers and recyclers, for example on substances of concern, on repair or on the fibre composition.

…. Therefore, as part of the measures under the new Ecodesign for Sustainable Products Regulation,

the Commission will introduce a Digital Product Passport for textiles based on mandatory information requirements on circularity and other key environmental aspects.

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

Input Phase II: **EU Digital Product Passport for the textile ecosystem**

6th of September 2022 | Andreas Schneider | Global Textile Scheme GmbH

▶ *CO1 – Unambiguous cross-sectoral definition and description of the DPP*

▶ *CO2 – Define a cross-sectoral product data model with demonstrated usefulness for the Circular Economy*

▶ *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*
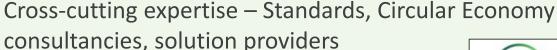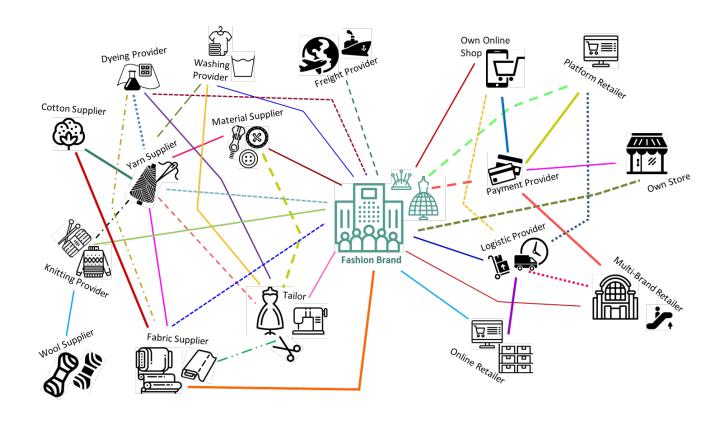
Today's reality side: EU Strategy for Sustainable and Circular Textiles – where do we stand today?

Just a few actual challenges:

- Logic & system breaks along textile value chains.
- Extensive manual processes.
- Poor data quality.
- IT providers not prepared to deliver the necessary data.
- Crazy business environment.
  - Covid 19
  - Suez Canal → container prices
  - War in Ukraine
  - Energy prices
  - ??? on Consumer consumption.
- Lack of standards.

Global Textile Scheme Initiative

Master data-efficiency. Lead Time- & Cost-Reduction. 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.

Our contribution to the CIRPASS project.

Andreas Schneider

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It will be a tough way into a sustainable future – but there is no alternative - Today

Without Global Textile Scheme		
CSR & Circular Economy data	No end-to-end data model and functional generation mechanism → where shall the necessary data come from?	
Manual master data generation	No standardized/automized Product Master Data exchange → significant manual processes & poor data quality	
Demand data transparency	Demand transparency limited on client dominated forecasting information (if any) → no consumer driven value chains	
Interfaces	Standardized Interfaces missing → significant & growing interface complexities	
Corporate & Product Identifier	Standardized Corporate & Product Identifier missing	GLN & GTIN
Textile value chain functions:	Farm · Scouring · Trader · Yarn · Fabric · Garment · Brand · Retailer · Consumer	

Harvest the fruits of our work

Our GTS standard in a nutshell

Use cases:

Automated master data exchange	Reduced interface complexities	Automated certificate data exchange	Demand data transparency	Reconstruction of master data

Benefits: **Reduce manual work – Improve data quality – Support sustainability & a circular industry**

Tool set:

GTS
GLOBAL TEXTILE
SCHEME
LANGUAGE

Catalogue of textile data:
- standardized
- encoded
- multilingual
- configurable
- downloadable

GTS
GLOBAL TEXTILE
SCHEME
CAT

Cloud based tool,

A) To manage the GTS L catalogue & the related interface data

B) Can be used for data exchange from SME's without own webservice

NO Platform & NO Marketplace!

Investment:

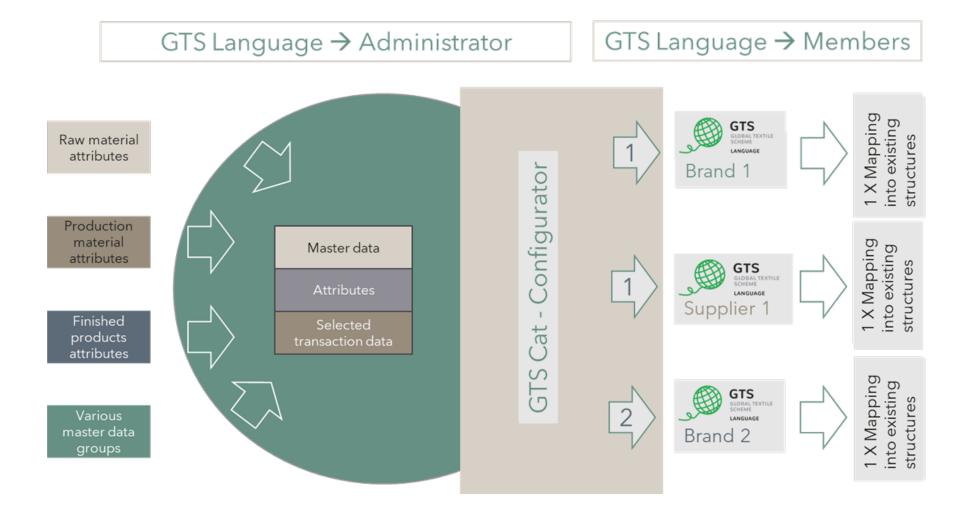| **Key ID** (standardized Company ID) free	**Key TRY** (try GTS for 4 months) free	**Key 1** (Basis upload module mainly for suppliers & producers) Revenue based subscription fee	**(Key 1 plus) Key 2** (Download module mainly for brands & retailers) Revenue based subscription fee	**(Key 1/2 plus) Key 3** (Certificate module for all users) Revenue based subscription fee

Quote from a CEO: „You are drilling the toughest wooden board our industry has to offer"

GTS standard & mapping = key to automated data exchange

It will be a tough way into a sustainable future – but there is no alternative!

|									
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Textile value chain functions:		Farm	Scouring	Trader	Yarn	Fabric	Garment	Brand	Retailer	Consumer
With Global Textile Scheme	Corporate & Product Identifier	Standardized Corporate & Product Identifier (GLN & GTIN use possible)							
	Interfaces	Only one interface (per end2end product class) allowing consumer driven value chains with less consumption of resources							
	Demand data transparency	Generic demand data mechanism in GTS-Cat → Full demand transparency on SKU level – exactly when needed							
	Manual master data generation	Standardized & automized Product Master Data exchange – with less manual workload and in good data quality							
	CSR & Circular Economy data	Standardized & automized CSR, Circular Economy & Certificate Data generation – automated and from fibre to consumer							
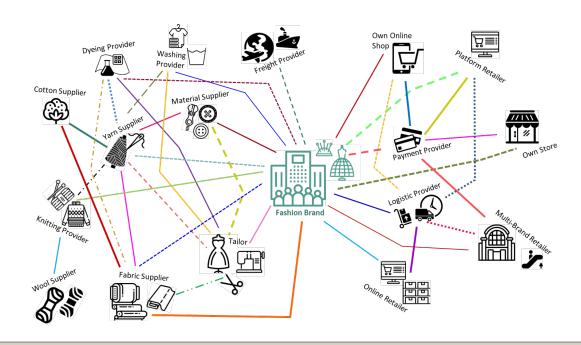
Quote from a CEO: „You are drilling the toughest wood-board our industry currently has to offer"

The 10 main challenges & data exchange showstopper – where shall the data come from?

Makro – outside individual companies

1) Lack of end2end standards	2) Slowly growing: ICT multipliers	3) Lack of legal pressure

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

CONTACT

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