

# Day 3 - 23 Sept. 2021

Morning

## DAY 3 (MORNING-PART I) 23 SEPTEMBER 2021

9.00-9.30	<i>Registration</i>
9.30-9.45	<b>Wrap-up Day 3 – SDA Bocconi &amp; UNECE</b>
9.45-11.00	<b>MODULE 8: THE TECHNOLOGY MODEL FOR TRACEABILITY AND TRANSPARENCY AND DUE DILIGENCE IN TEXTILE AND LEATHER</b> <b>Learning Objective:</b> Deep dive into the UNECE blockchain system for due diligence and sustainability, emphasizing the importance of technology interoperability. <b>Presenters</b> <ul style="list-style-type: none"><li>• <a href="#">UNECE Project Expert</a>, Andrea Redaelli</li><li>• <a href="#">UNECE Project Expert</a>, Claudia di Bernardino</li></ul> <b>Discussants</b> <ul style="list-style-type: none"><li>• <a href="#">Vivienne Westwood</a>, Giorgio Ravasio, Country Manager Italy</li><li>• <a href="#">Vivienne Westwood</a>, Isabella Tonelli, Supply Chain Sustainability Manager</li><li>• <a href="#">Cittadellarte - Fondazione Pistoletto</a>, Paolo Naldini, Director</li><li>• <a href="#">Cittadellarte - Fondazione Pistoletto</a>, Olga Pirazzi, Project Manager of Fashion B.E.S.T.</li><li>• <a href="#">Cotonificio Albini Spa</a>, Stefano Albini, President</li><li>• <a href="#">Dedagroup Stealth</a>, Silvia Santato, Marketing Manager</li></ul>
11.00-11.30	<i>Coffee break</i>
11.30-13.00	<b>MODULE 8: THE TECHNOLOGY MODEL FOR TRACEABILITY AND TRANSPARENCY AND DUE DILIGENCE IN TEXTILE AND LEATHER</b> <b>Learning Objective:</b> Deep dive into onboarding partners, setting consortia, dealing with data management and IP rights and the role of physical markers <b>Presenters</b> <ul style="list-style-type: none"><li>• <a href="#">UNECE Project Expert</a>, Piera Solinas</li><li>• <a href="#">UNECE Project Expert</a>, Claudia di Bernardino</li></ul> <b>Discussants</b> <ul style="list-style-type: none"><li>• <a href="#">Filmar Group Spa</a>, Enrico Marzoli, Vice President (online)</li><li>• <a href="#">Haelixa</a>, Gediminas Mikutis, CTO and Co-founder</li></ul>
13.00-14.00	<i>Lunch</i>



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# UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

## **Module 8/1** **The Technology model for TT and due diligence in textile and leather**

**SEPT, 23 - 9:45 - 11:00 CEST**

Andrea Redaelli,  
UNECE Project Expert

Claudia Di Bernardino,  
Lawyer, UNECE Project Expert

# **Module 8/1**

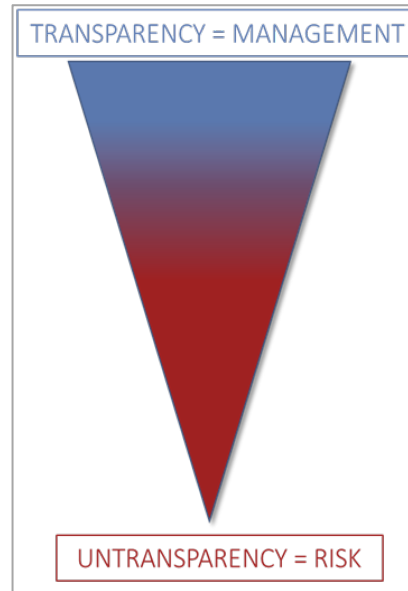
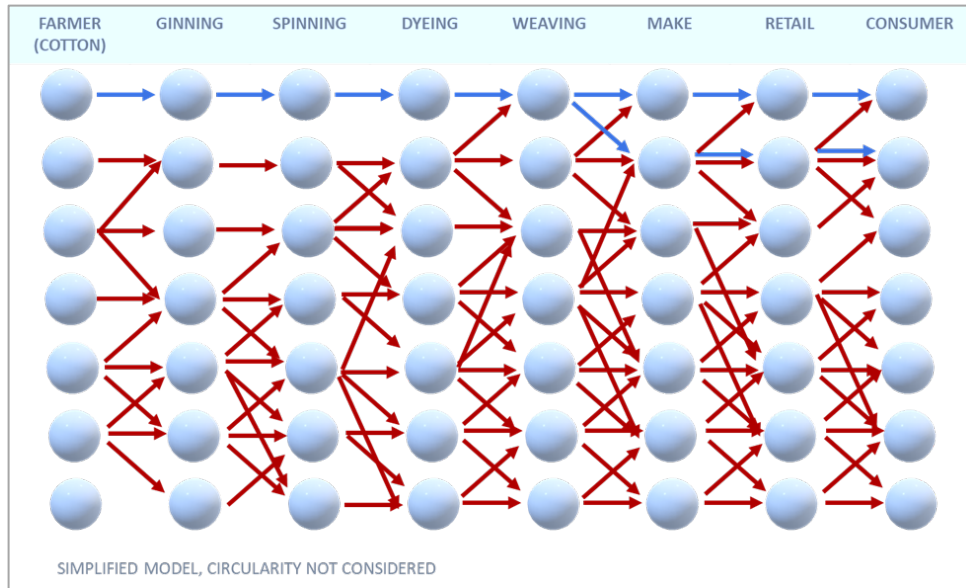
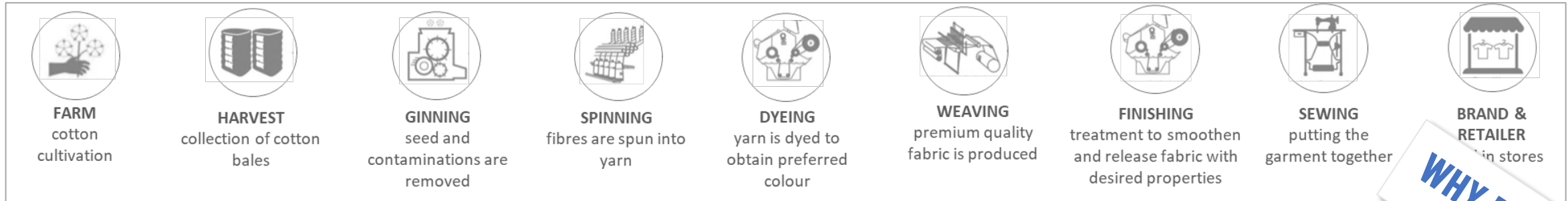
## **The Technology model for TT and due diligence in textile and leather**

**The potential of advanced technologies, Developing and implementing blockchain systems, the success of a TT initiative.**

Andrea Redaelli,  
UNECE Project Expert

# The technology model for TT and due diligence in textile and leather

The potential of advanced technologies to advance traceability, transparency and due diligence focus on Blockchain/DLT



## DISTRIBUTED LEDGER TECHNOLOGY

- UNMUTABLE DATA SHARING
- MULTIPLE POINTS
- FRAGMENTED ENVIRONMENTS
- EASY SCALABILITY

### How Blockchain supports

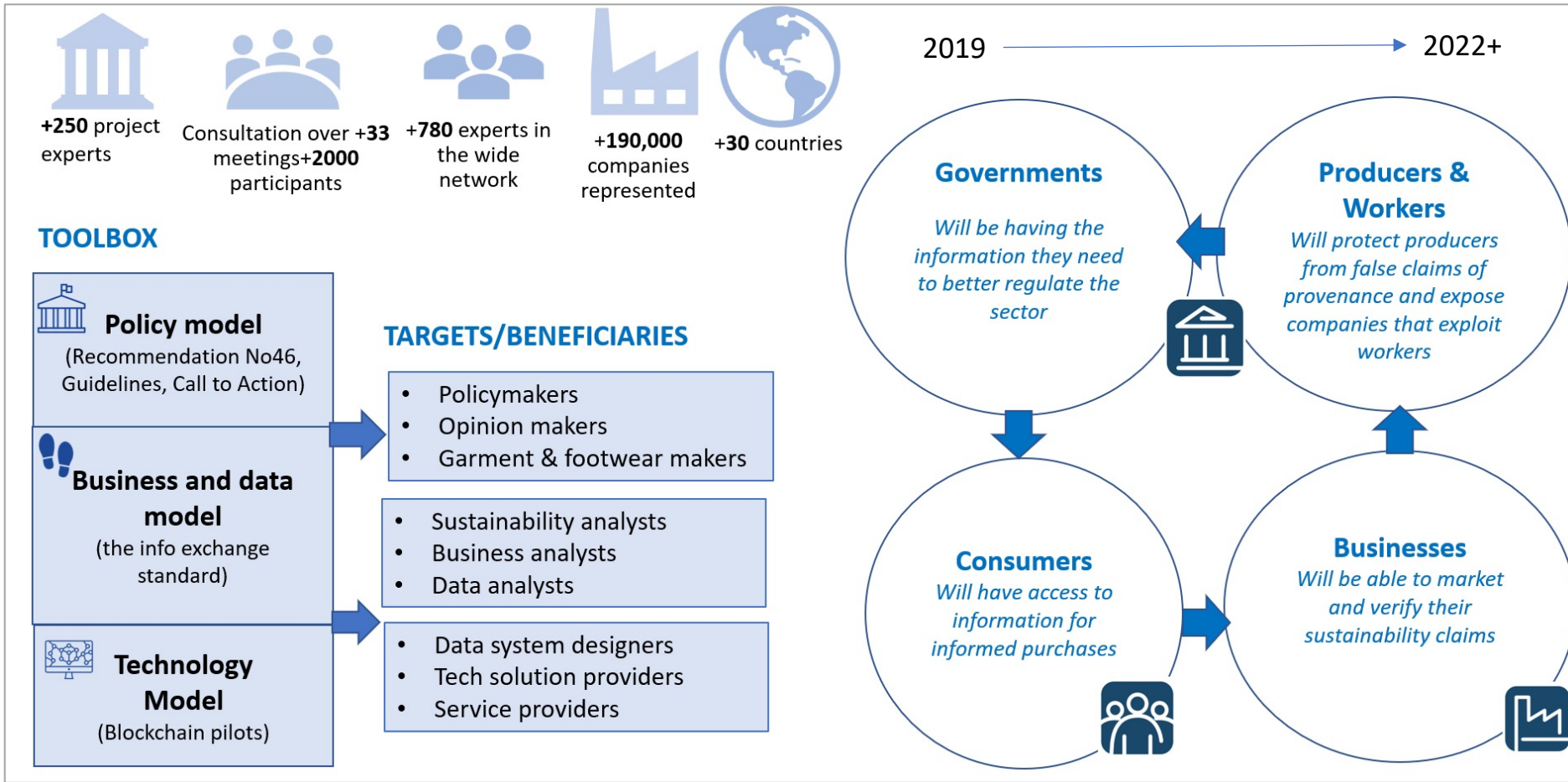
- Digital solution that reduces distances:
- BUSINESS CONTINUITY AND SHARED LEDGER - TRUST
- High level of penetration and acceptance (also via smartphone)
- Technology to offer the transparency: a distributed database,
- Timestamp on activities and "body of evidence" (automation, digital-physical, IOT)
- Data sensitivity/privacy topic → regulation as balance between transparency and data confidentiality
- Governance

WHY BLOCKCHAIN



# The technology model for TT and due diligence in textile and leather

## Developing and implementing blockchain systems in complex environment



COTTON

LEATHER

SYNTHETIC

WOOL & CASHMERE

CELLULOSE

# The technology model for TT and due diligence in textile and leather

## Key aspects for success of a TT initiative



### VALUE CHAIN ALIGNMENT:

- Identification and early engagement of upstream and downstream partners;
- Consider the granularity level and complexity of the value chain selected



### KNOWLEDGE SHARING:

- Training of partners/value chain suppliers and empowering all value chain actors;
- Terminology and process understanding;
- Build Knowledge and Trust upon long-lasting partnerships and win-win cooperation;



### GOVERNANCE

- Central coordination vs. Self-coordination of the activities along a Value Chain (B2B)
- (UNECE Secretariat) Neutral moderator of business operational activities



### DATA MANAGEMENT

- ☐ Data Sharing and Immutability
- ☐ Data Confidentiality and Privacy vs. Data Transparency Levels



### TECHNOLOGY

- ☐ Open-source approach to share information
- ☐ Academy as an independent technology provider

**RESULTS & KEY  
LEARNINGS**

# The technology model for TT and due diligence in textile and leather

The potential of advanced technologies to advance traceability, transparency and due diligence focus on blockchain/DLT

**A DIGITALIZED NETWORK  
WITH PEER RIGHTS TO  
ENABLE THE SHARING OF  
RELIABLE INFORMATION**

[www.unecettbcpilot.ch](http://www.unecettbcpilot.ch)

UNECE Traceability &  
Transparency Blockchain pilot



**Username:**

**Password:**

☐ Show password

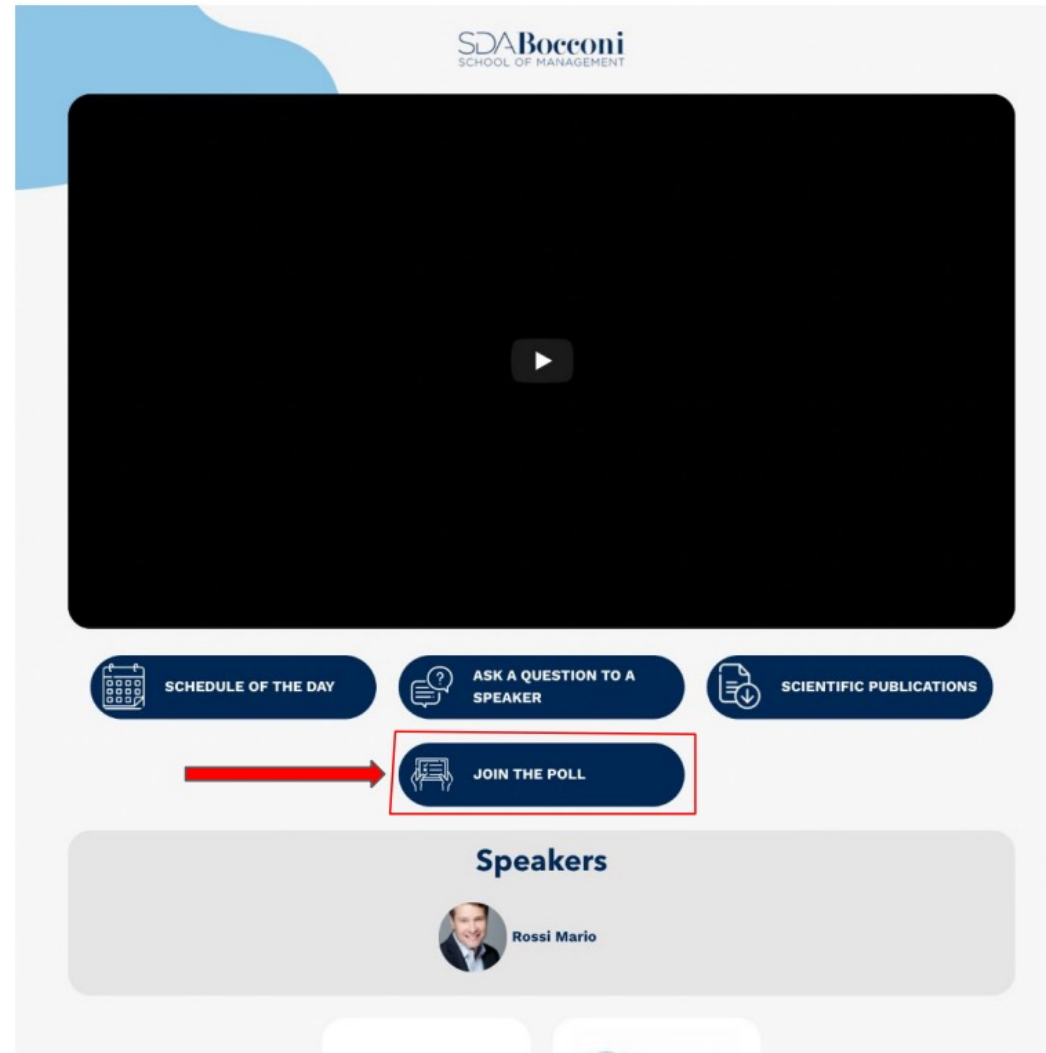
Login

**Coming soon:  
This afternoon  
"Blockchain in Action"!**

# Join the poll: instructions

## Live stream page

- Log into the website (<https://event.sdabocconi.it/monitor4unece/>)
- Click the button “Join the poll”





# Poll 1 – TT Program as advantage

As a Company in the B2B, are you more interested to collaborate and make business with Companies having a TT program in place?

- ☐ TT program is relevant, but in my Company the choices are more oriented by cost and quality;
- ☐ TT is a big value that helps my Company to fulfil due diligence aspects and better serve the end consumer;
- ☐ A TT program is just an additional step to contribute in a sustainable program;
- ☐ In the future, we will collaborate with Companies having a TT program in place only.



# **Module 8/1**

## **The Technology model for TT and due diligence in textile and leather**

**Identifying claims and supporting data**

Claudia Di Bernardino,  
Lawyer, UNECE Project Expert

# Claims concept for traceability and transparency within the pilot

A high-level statement about a characteristic of a product, or about a process or an organization associated with that product

*Source: UNECE Draft Policy Recommendation, Guidelines*

Claim

Sustainability Claim

A claim that covers one or multiple sustainability dimensions (economic, environmental, social)

*Source: UN Environment Guidelines for Providing Product Sustainability Information*



SUSTAINABILITY RELATED INFORMATION

- Hazardous chemicals
- Pesticide and fertilizer use
- Water use
- Water pollution and wastewater management
- Waste production and management
- End-of-life
- Child labour
- Forced/compulsory labour
- Trade unions and collective bargaining rights
- Discrimination
- Sexual harassment
- Exploitation of home workers
- Working conditions
- Unsafe workplaces and workpractices
- Inadequate personal protective equipment
- Bribery and corruption
- Land rights and community welfare
- Animal welfare

UNECE Policy Recommendation n. 46



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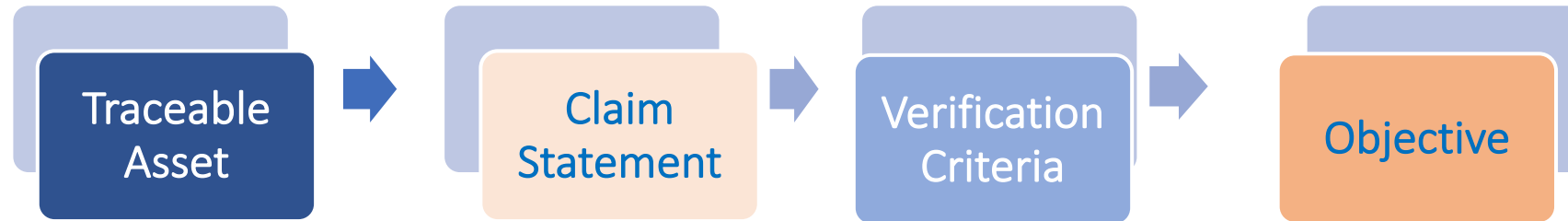


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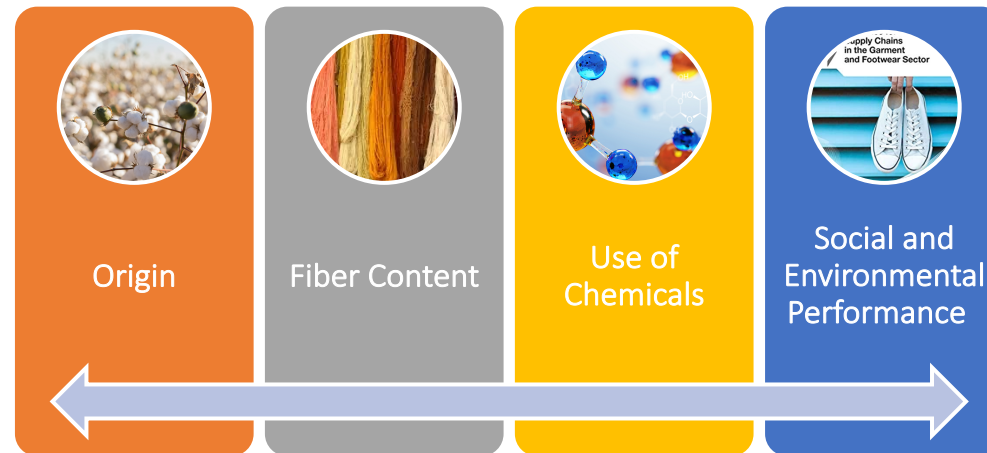
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# Building the sustainability claims: UNECE methodology

## Components of Sustainability Claims



## Selection of Sustainability Claims



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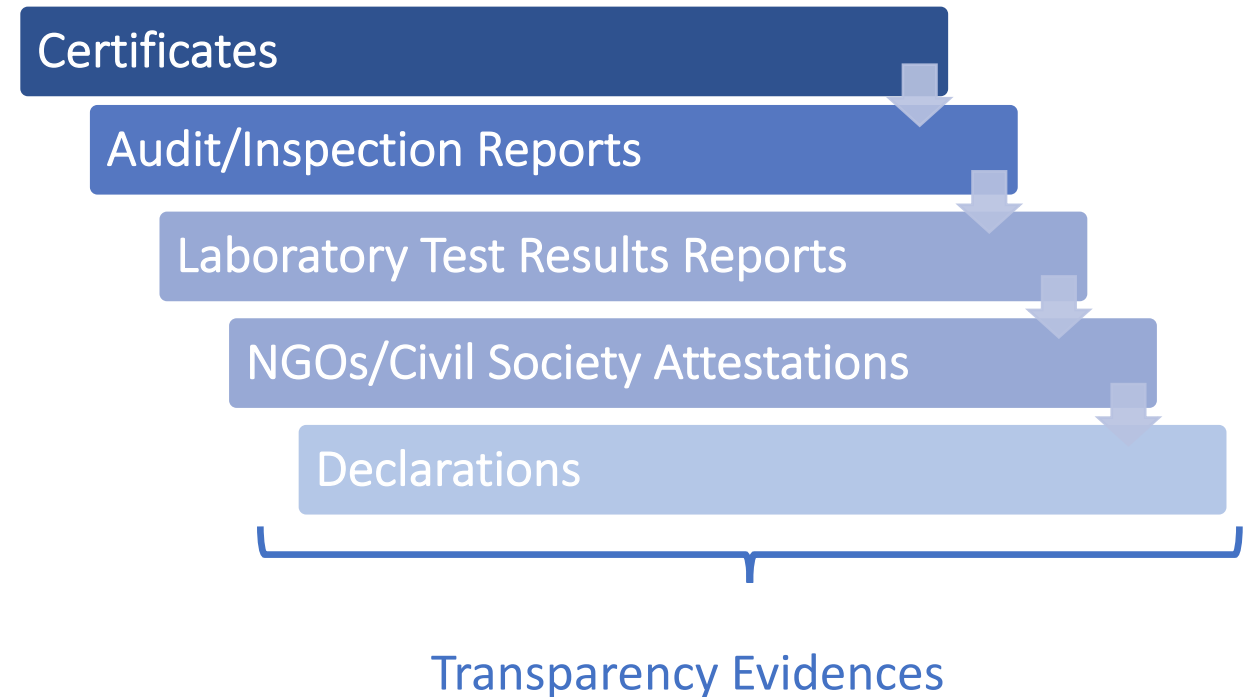
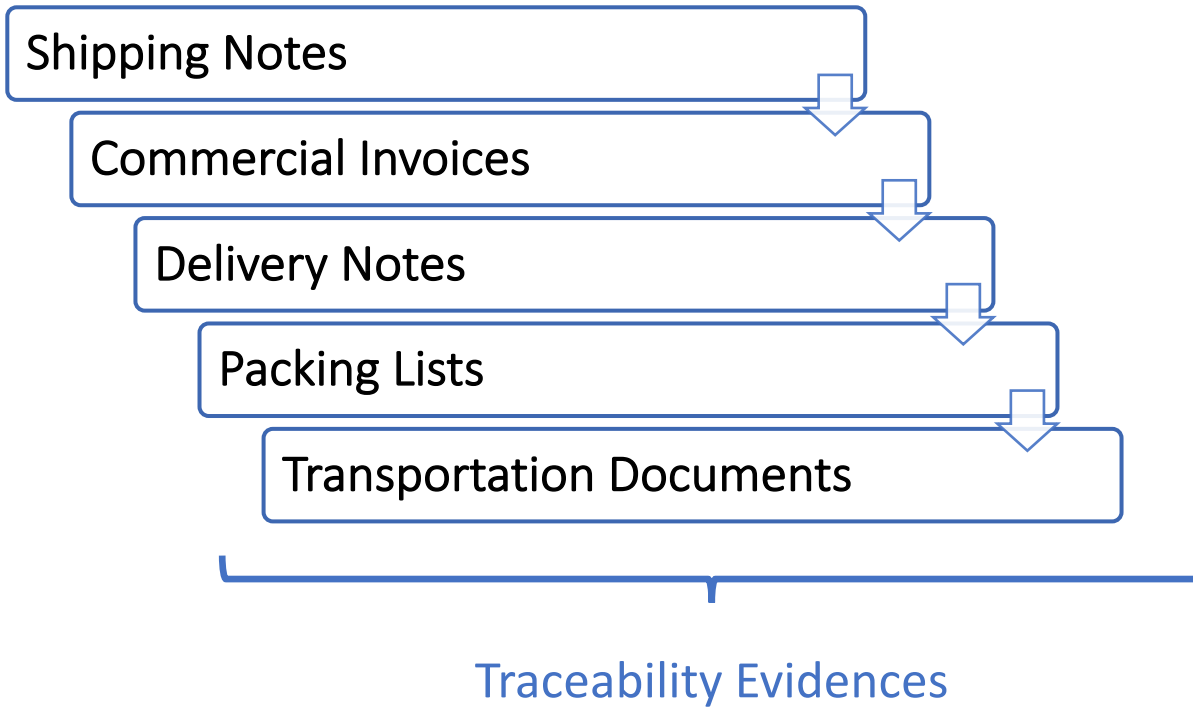
United for greater traceability, transparency and circularity in the garment and footwear sector



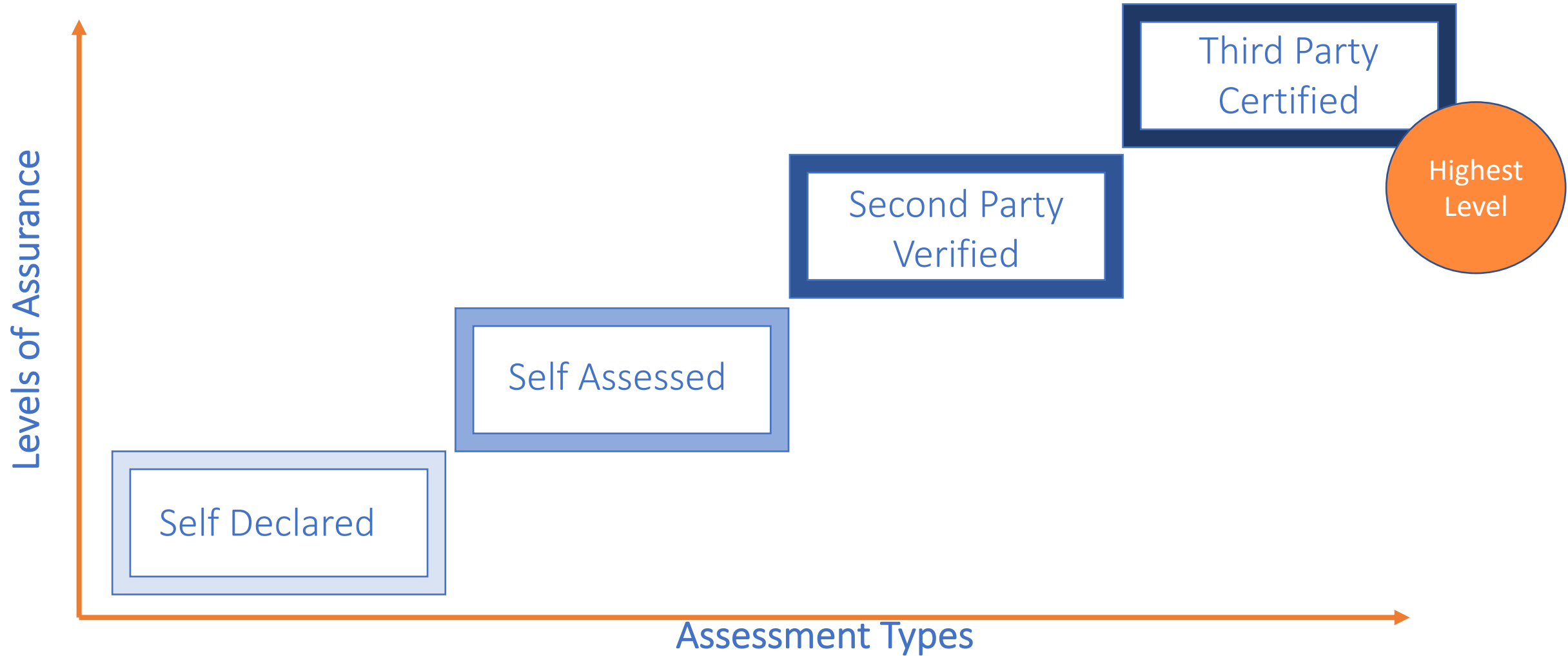
# Type of evidences to substantiate the claims

## Data Collection

1. Information on Traceable Assets, Claims and Partners
2. Documents related to Transactions
3. Documents related to Sustainability Claims



# Adding an assurance level to the evidences



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# Poll 2 - Sustainability Claims

As a Company in the Industry, which is the main challenge in developing sustainability claims?

- ☐ Collecting the data from your business partners;
- ☐ Verifying the credibility of the information provided by your suppliers, especially beyond tiers 2;
- ☐ Understand the regulatory requirements to build not misleading claims.





# **Module 8/1**

## **The Technology model for TT and due diligence in textile and leather**

**The Cotton Partners' contribution to the project, use cases.**

Giorgio Ravasio, Vivienne Westwood, General Manager  
Isabella Tonelli, Vivienne Westwood, Supply Chain Sustainability Manager  
Paolo Naldini, Cittadellarte - Fondazione Pistoletto, CEO-Director  
Olga Pirazzi, Cittadellarte - Fondazione Pistoletto, Fashion B.E.S.T. Project Manager  
Stefano Albini, Cotonificio Albini S.p.A., President





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**TRACEABILITY  
AND TRANSPARENCY  
BLOCKCHAIN PILOT  
IN THE GARMENT AND  
FOOTWEAR INDUSTRY**



FONDAZIONE  
**PISTOLETTO**  
CITTADELLARTE  
B I E L L A



**Vivienne  
Westwood**

**C O N N E C T**



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**Vivienne  
Westwood**

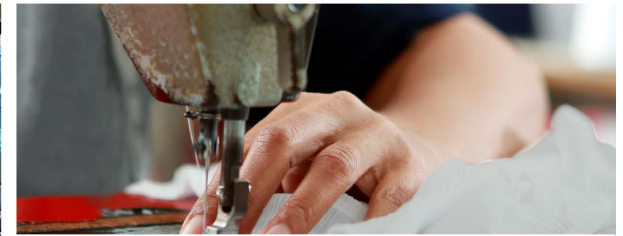
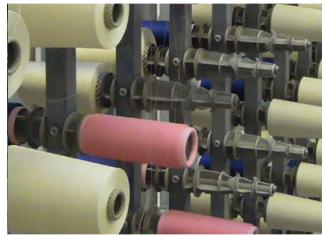


FONDAZIONE  
**PISTOLETTO**  
CITTADELLARTE  
B I E L L A



cittadellarte fashion B.E.S.T.  
Better Ethical Sustainable Think-Tank

- Expertise in sustainable supply chain tracking
- Cultural research and dissemination
- Communication campaigns and events





# THE SUSTAINABILITY PLEDGE

Cittadellarte Fashion B.E.S.T. - Vivienne Westwood

**PARTICIPATING  
IN THIS PILOT PROJECT,  
CITTADELLARTE -  
FONDAZIONE PISTOLETTO  
AND WV HAVE TAKEN THEIR  
“SUSTAINABILITY PLEDGE”,  
IN REGARD TO BOTH FABRIC  
AND PRODUCT DEVELOPMENT.**

## WHY IT'S TIME FOR ACTION ON SUSTAINABILITY

Transparency and traceability are essential if, globally, we are to achieve responsible consumption and production patterns that will enable more countries and regions to transition to a circular economy

## WHO WILL BENEFIT?



**POLICY MAKERS**  
will have the  
information they need  
to better regulate  
the sector

**CITIZENS**  
will have access  
to information for  
informed purchases

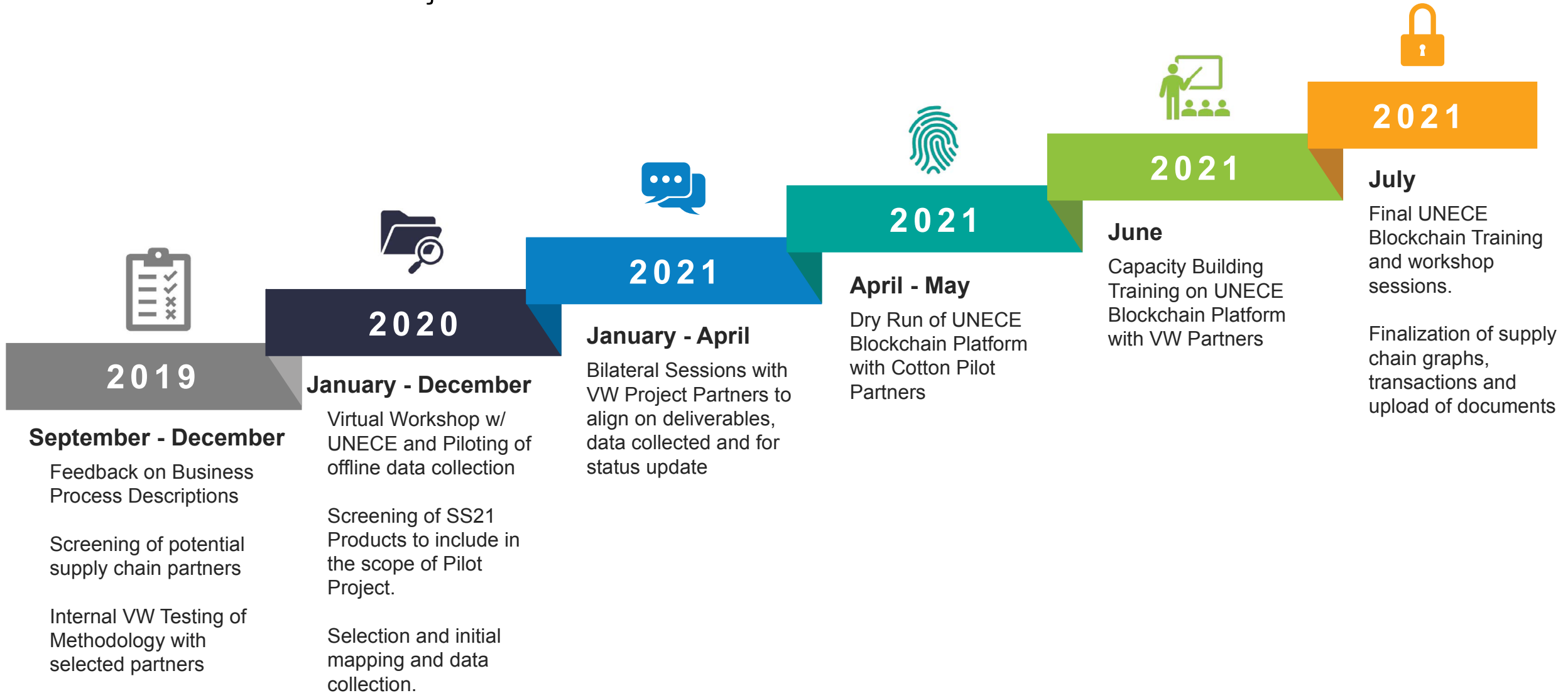


**COMPANIES**  
will be able to market  
and verify their  
sustainability claims

While great transparency and traceability  
will protect **PRODUCERS** from false claims  
of provenance and expose companies that  
exploit **WORKERS**

# PROJECT TIMELINE

## Blockchain Cotton Pilot Project VW



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Westwood

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PISTOLETTO  
CITTADELLARTE  
BIELLA

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Better Ethical Sustainable Think-Tank



# COTTON VALUE CHAIN: SUPPLY CHAIN STEPS IN-SCOPE

Phases tracked and traced with supporting documentary evidence



# PROJECT SCOPE OF THE VIVIENNE WESTWOOD PILOT



## Main Activities

- Testing tools developed by UNECE following approved guidelines and methodologies
- Data Collection
- Capacity Building

## Value Chain:

- Cotton

## Blockchain Platform

- Dry Run
- Test of the system with two pilot products
- Upload of final data



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# SELECTION OF PRODUCTS AND CLAIMS TO BE TESTED



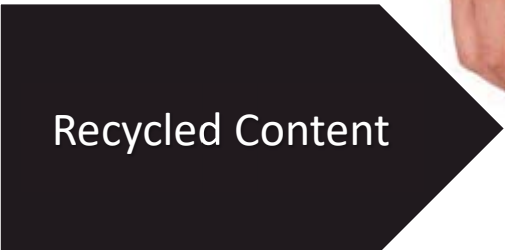
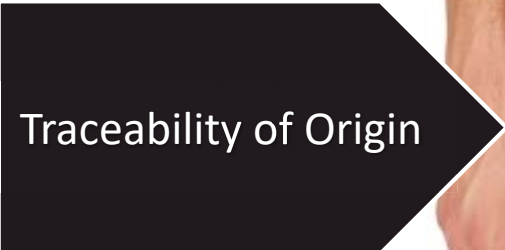
SLIM SHIRT  
Season SS21



CLASSIC TAPERED JEANS  
Season SS21



## CLAIMS





# SELECTION OF PRODUCTS AND CLAIMS TO BE TESTED



SLIM SHIRT  
Season SS21



CLASSIC TAPERED JEANS  
Season SS21



**CLAIMS**

“The material of this shirt is made of organic cotton sourced from USA and totally traceable in its value chain. This cotton yarn is organic, produced without the use of pesticides and harmful chemicals for health and the environment”

“The fabric of this jeans is made of 65% regenerated cotton yarn coming from the pre-consumer waste of our Italian fabric supplier and 35% of virgin cotton sourced from Turkey. From the yarn up to the finishing of the denim material the processing steps avoid the use of harmful chemicals for the health and the environment”

# UNECE TT MATRIX TOOL AS AN ENABLER FOR DATA COLLECTION

## 4. TRACEABILITY AND TRANSPARENCY MATRIX

### TT Matrix Template

Claim	General information applicable to all claims	5Ws	Business Step	1. Planting and cultivation of cotton	2. Cotton harvest identification & transfer from farmer to ginner	3. Ginning & transfer to spinner	4. Spinning & transfer to dyer, bleacher, washer	5. Dyeing, bleach washing & transfer weaver
		Who	Value Chain Partner					
			Business Role					
			From (Seller/Consignor)					
			To (Buyer/Consignee)					
	Where	Business Location						
	What	Material/Product Name						
	DNA MARKER	What	Material/Product Qty					
			Material/Product Unit					
			DNA Marker ID					
			Application Test					
	Origin	How	Event Date and Time					
			Verification Criteria (Evidence)					
			Assessment type					
	Composition	How	Event Date and Time					
			Verification Criteria (Evidence)					
			Standard					
			Event					
	Use of chemicals	How	Event Date and Time					
			Verification Criteria (Evidence)					
Assessment type								
Standard								
	How	Event						
		Event Date and Time						
		Verification Criteria (Evidence)						
		Assessment type						

### Testing the Excel Tool

- TT Matrix Template has helped stakeholders to clearly envision the needed data set

### Data Collection

- Selected input and output data have been requested and collected from each partner

### Warm-up for data upload on Blockchain Platform

- The final TT Matrix Template as a facilitator for documental collection and data standardization



# CASE 1: RECYCLED DENIM - CLAIM ORIGIN



100% cotton yarn, is an unavoidable waste of the dyeing process that takes place in Berto. It is collected and shipped to Marchi & Fildi

Veneto, Italy



Cotton Fiber returns to thread at Marchi e Fildi, which combines the waste (65%) with virgin cotton (35%) from Turkey.

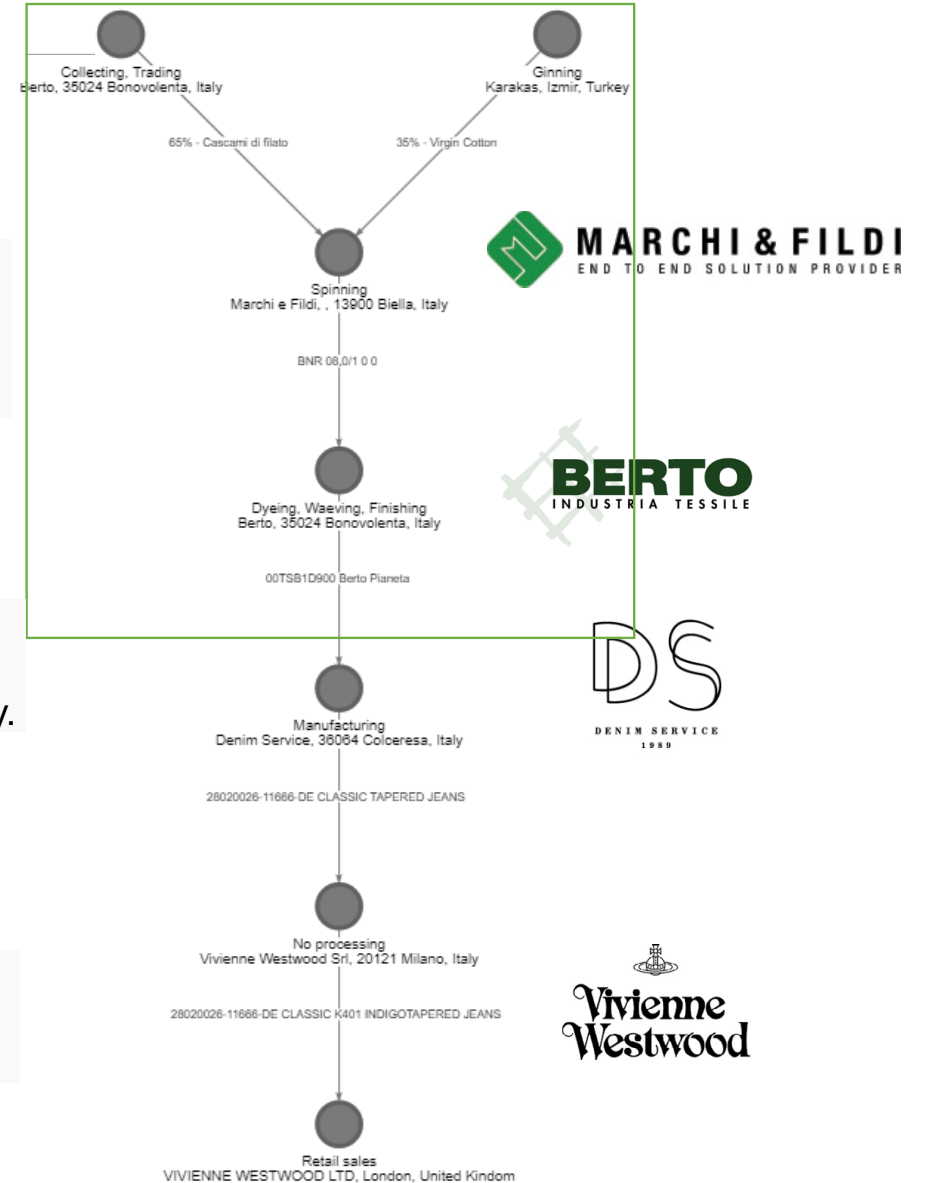
Piedmont, Italy (65%) + Turkey (35%)



**MARCHI & FILDI**  
END TO END SOLUTION PROVIDER

After the Spinning phase in Biella it is returned to Berto for Dyeing, Weaving and Finishing

Veneto, Italy



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BIELLA



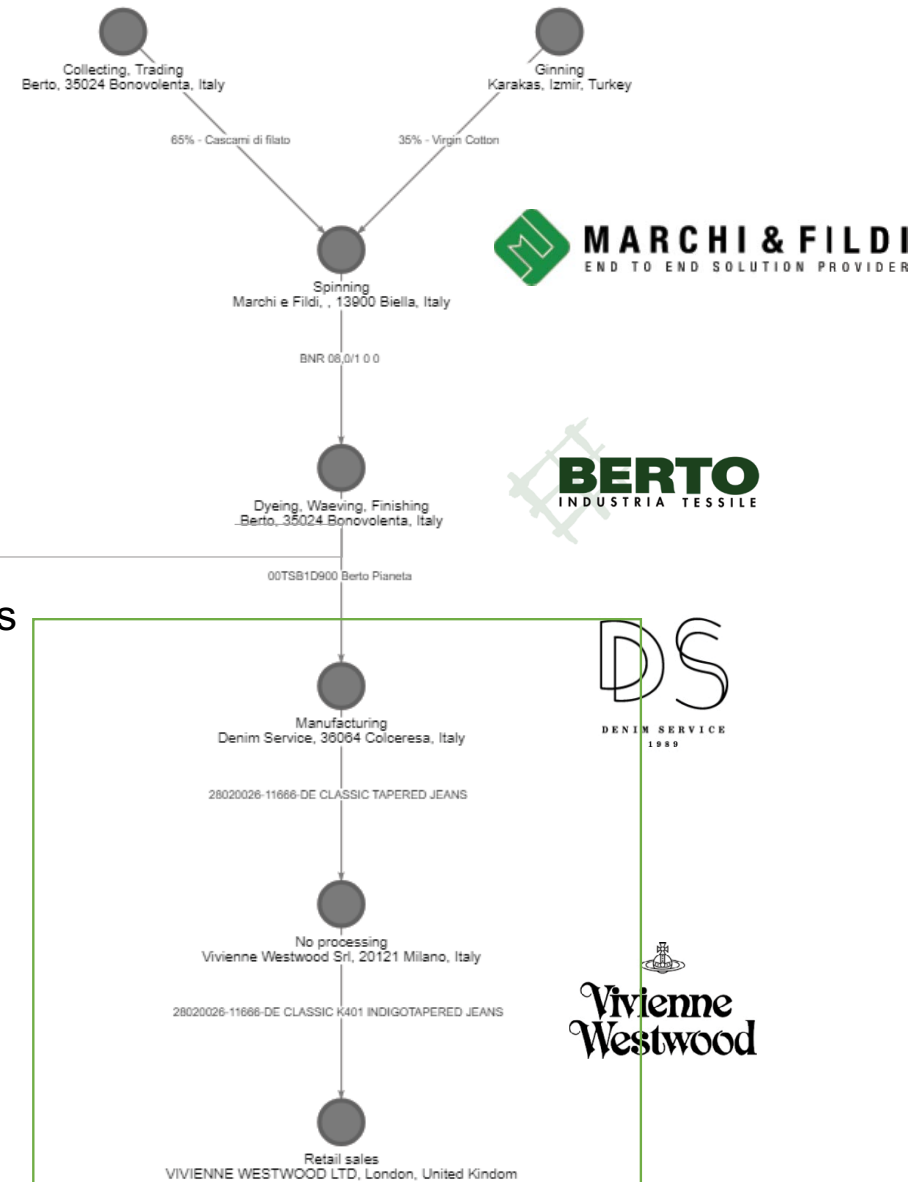
# CASE 1: RECYCLED DENIM - CLAIM ORIGIN



Finished Fabric is shipped to Denim Service for product manufacturing  
Veneto, Italy

The finished Classic Tapered Jeans is ready for shipment to Vivienne Westwood Italian Warehouse  
Piedmont, Italy

From central Logistic Hub it is dispatched to London Boutique  
London, UK



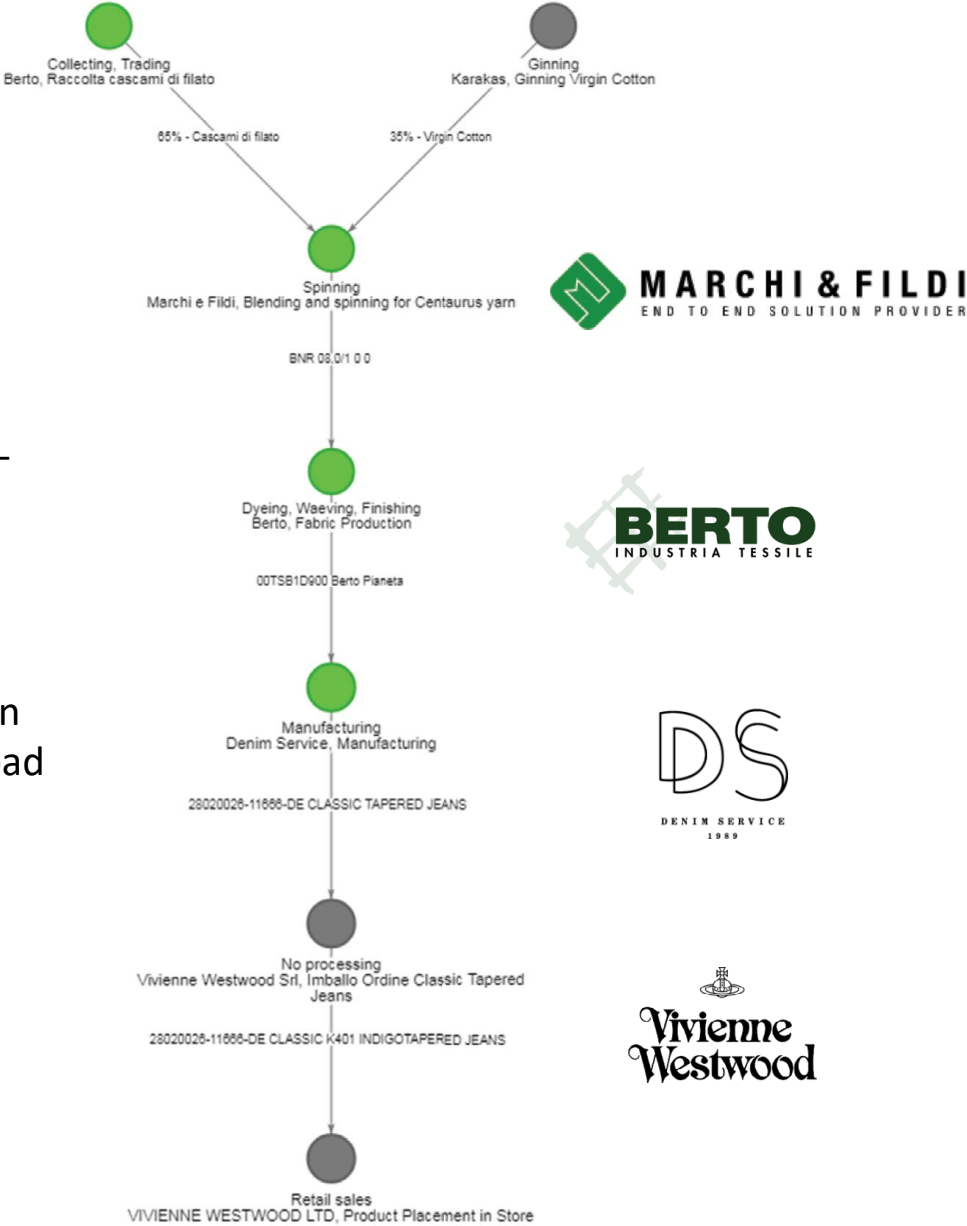
# CASE 1: RECYCLED DENIM - CLAIM USE OF CHEMICALS

Examples of Oeko-Tex Scope Certificate



During the project, three OEKO-TEX Standard 100 Scope Certificates were collected to support the claim

The green nodes of supply chain indicate the verification of upload and validity of certificates.



# CASE 1: RECYCLED DENIM - CLAIM RECYCLED CONTENT



Example of GRS Transaction Certificate

Transaction Certificate (TC) for Textiles Processed According to the Global Recycled Standard (GRS)

1. Body issuing the certificate (name and address)  
ICEA - INSTITUTE FOR ETHICAL AND ENVIRONMENTAL CERTIFICATION  
Via Giovanni Brugnoli, 13  
40122 BOLOGNA - ITALY

2. Issuing code of the certification body  
GRS - ICEA - 01

3. Seller of the product(s) (name and address)  
1 - MARCHI & FILDI SPA  
VIA MAESTRO DEL LAVORO, 4A  
BIELLA BI ITALY

4. Inspection body (name and address)  
ICEA - INSTITUTE FOR ETHICAL AND ENVIRONMENTAL CERTIFICATION  
Via Giovanni Brugnoli, 13  
40122 BOLOGNA - ITALY

5. Last processor of the product(s) (name and address)  
1 - MARCHI & FILDI SPA  
VIA MAESTRO DEL LAVORO, 4A  
BIELLA BI ITALY

6. Country of origin  
ITALY

7. Buyer of the product(s) (name and address)  
Berto E. G. Industria Tessile s.r.l.  
Via Mazzini 11  
39024 BOVOLENTA BOVOLENTA PD ITALY

8. Consignee of the product (Address of the place of destination)  
Berto E. G. Industria Tessile s.r.l.  
Via Berto 1476  
39024 BOVOLENTA PD

9. Country of destination  
ITALY

10. Product(s) and shipment information  
Products as specified in box 11

Invoice		Transport document	
Number	Date	Number	Date
2019024038	11/10/2019	890	02/10/2019
2019024048	11/10/2019	890	02/10/2019
		700	06/10/2019

11. Gross weight (Kg)  
8.211,00

12. Net weight (Kg)  
8.273,00

13. Commercial weight (Kg)

14. Declaration of body issuing the certificate  
This is to certify that, based on the relevant documentation provided by the seller named in box 3, (b) the recycled material used for the products as further detailed in box 10 and quantified in box 11, 12 and 13 has been produced in accordance with the Global Recycled Standard (GRS). Compliance with the standard is audited and monitored systematically under responsibility of the certification body named in box 1.

15. Additional declarations  
This transaction certificate does not entitle the superconsignee of the goods to use the GRS logo or make reference to GRS. The rules for the labelling of GRS certified goods are outlined in the "GRS Logo Use and Claims Guide" (available on <http://www.GlobalRecycled.org>).

16. Place and date of issue  
Date: BOLOGNA - Italy, 25/03/2020

Signature of the authorized person of the body detailed in box 1  
Paolo Foglio

Stamp of issuing body  
Logo of the Standard  
Global Recycled Standard

This electronically issued document is the valid original version  
Transaction Certificate Page 1 of 2  
Accredited according to ISO 17065

Example of GRS Scope Certificate

GRS 2019-063 Ed.000 Rev.00

Certificate of Compliance  
Certificato di Conformità  
GRS 2019-063

Institute for Ethical and Environmental Certification

declares that  
dichiara che

Berto E.G. Industria Tessile Srl  
Licence Number: GR0176  
Bovolenta (PD) - ITALY

has been inspected and assessed according to the  
è stata ispezionata e valutata

GLOBAL RECYCLED STANDARD (GRS)  
- Version 4.0:2017 -

and that products of the categories as mentioned below [and further specified in the annex] comply with this standard:  
e che i prodotti appartenenti alle categorie indicate di seguito, e specificatamente descritti in allegato, sono conformi con lo standard

Product categories:  
Categorie di prodotti  
Denim Fabrics - Tessuti Denim

Processing steps carried out under responsibility of the above mentioned company for the certified products:  
Processi svolti sotto la responsabilità della ditta sopra indicata  
Manufacturing, trading - Manifattura, commercializzazione

This certificate is valid until: June 3<sup>rd</sup>, 2021  
(Questo certificato è valido fino al)

Place and date of issue/revision  
Luogo e data di emissione/revisione  
Bologna, June 4<sup>th</sup>, 2020

Certification manager  
Dr. Paolo Foglio

1 M.0401 - Ed.00 Rev.01

This Certificate of Compliance provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering them. The issuing body can withdraw this certificate before it expires if the declared compliance is no longer guaranteed.  
This electronically issued document is the valid original version.

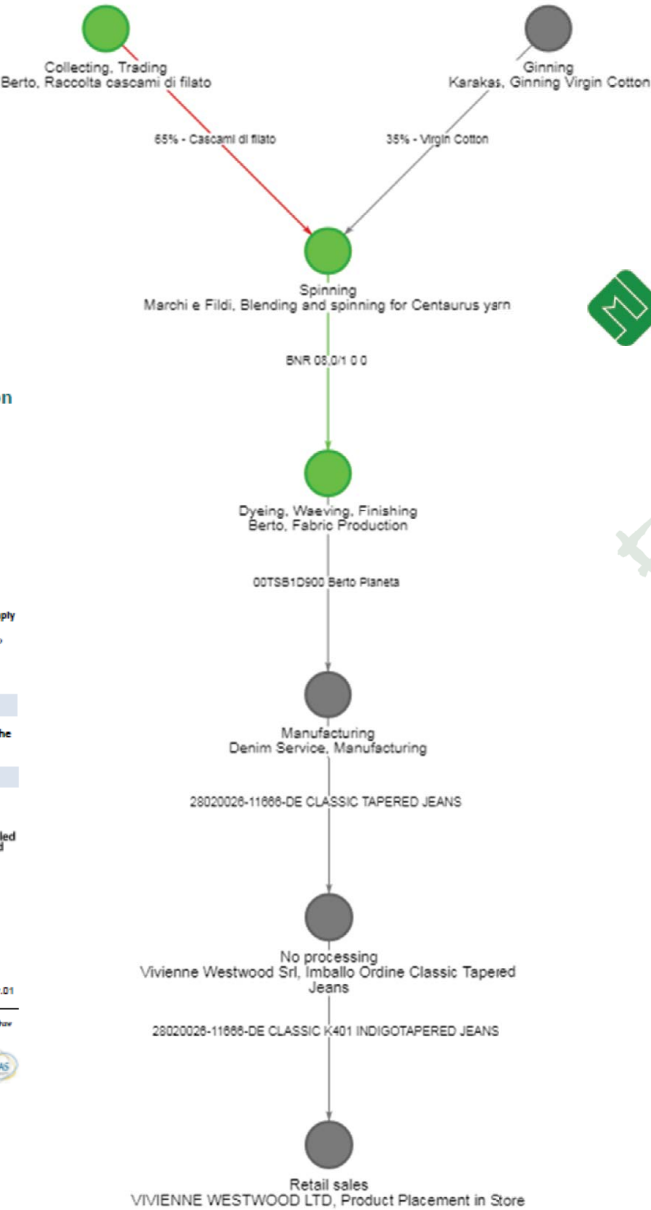
The certificate is only valid if registered in the database of ICEA ([www.icea.bio](http://www.icea.bio)) and of Textile Exchange ([www.textileexchange.org](http://www.textileexchange.org))

Accredited according to GRS by

ICEA  
Via G. Brugnoli, 13  
40122 BOLOGNA  
ITALY  
Tel. +39-051-272066  
Fax. +39-051-232011  
[www.icea.bio](http://www.icea.bio)

Accredited according to GRS by

Textile Exchange



During the project, two GRS Transaction Certificates and two GRS Scope Certificates were collected, referred to Berto Industria Tessile Srl and Marchi & Fildi Spa





# CASE 2: ORGANIC COTTON SHIRT - CLAIM ORIGIN

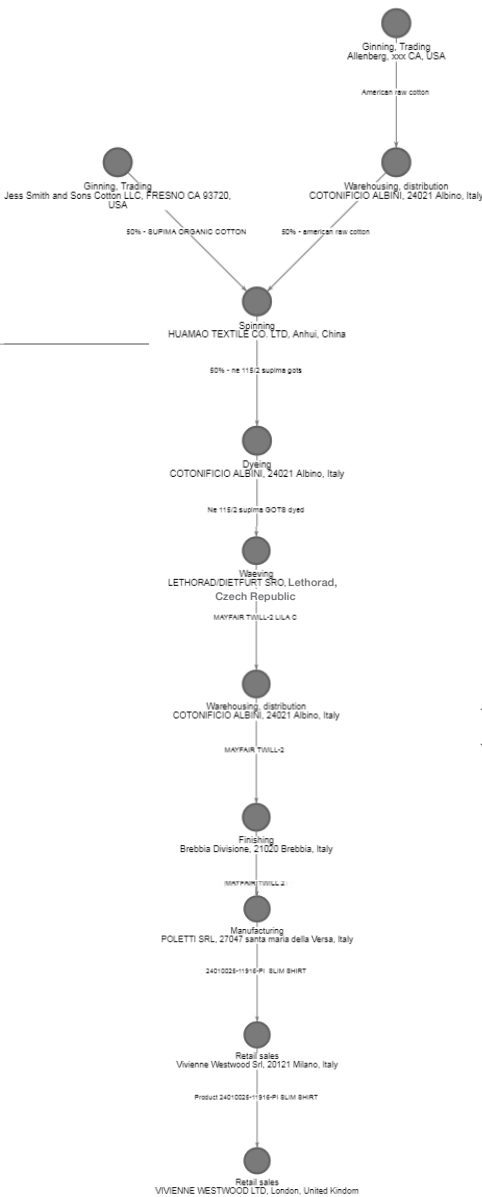


Cotonificio Albini weaves and finishes the fabric in its industrial plants  
Lombardy, Italy + Lethorad, Czech Republic

POLETTI S.r.l.

The finished fabric is then sent to Poletti for the garment manufacturing  
Lombardy, Italy

Poletti transfers the final garment to Vivienne Westwood Italian Warehouse. From central Logistic Hub it is dispatched to London Boutique  
Lombardy, Italy + London, UK



POLETTI S.r.l.



# CASE 2: ORGANIC COTTON SHIRT - CLAIM ORGANIC CONTENT



Example of GOTS Transaction Certificate

TRANSACTION CERTIFICATE (TC) FOR TEXTILE PROCESSED ACCORDING TO THE GLOBAL ORGANIC TEXTILE STANDARD (GOTS)		
<b>1a. Body issuing the certificate:</b> Control Union Certifications B.V. Mouswoutaan 4-6 8011 BZ Zwolle Netherlands		<b>2a. Reference number of the certificate:</b> 805894/00581342
<b>1b. Licensing code of the certification body:</b> GOTS-CUC-03		<b>2b. Reference number of the input transaction certificate:</b> OT-029424-01383 of 2-GOTS
<b>3. Seller of the product(s):</b> Aohui Huamao Textile Co., Ltd. 808 South Fangshi Road, Anqing China		<b>2c. Scope Certificates number of First Raw material:</b>
<b>5. Last processor of the product(s):</b> Aohui Huamao Textile Co., Ltd. 808 South Fangshi Road, Anqing China		<b>4. Inspection body:</b> Control Union Certifications B.V. Mouswoutaan 4-6 8011 BZ Zwolle Netherlands
<b>7. Buyer of the product(s):</b> I COTONI DI ALBINI SPA VIA DR. SILVIO ALBINI NO.1 24021 ALBINO (BG) Bergamo Italy		<b>6. Country of dispatch:</b> China
<b>10. Product and shipment information:</b> Information is presented in box 17 on page 2 of this TC		<b>8. Consignee of the product:</b> I COTONI DI ALBINI SPA VIA DR. SILVIO ALBINI NO.1 24021 ALBINO (BG) Bergamo
		<b>9. Country of consignee:</b> Italy
		<b>11. Gross weight (kg):</b> 30804.00
		<b>12. Net weight (kg):</b> 28334.25
		<b>13. Certified weight (kg):</b> Total: 28334.25
<b>14. Declaration of the body issuing the certificate:</b> This is to certify that, based on the relevant documentation provided by the seller named in box 3, (i) the Organic Fibre used for the products as further detailed / referred to in box 10 and quantified in box 12, (ii) has been produced in accordance with (and organic farming standard) which is more recognized by GOTS, and (iii) the products have been processed in accordance with GOTS. Compliance with the standard is audited and monitored systematically under responsibility of the certification body named in box 1.		
<b>15. Additional declaration:</b> Certification of the organic material used for the products listed complies with: NORMA GOTS: Yes Information for product's market use used in the UK: obligatory information for any GOTS TC		
<b>16. Place and date of issue:</b> Anqing, 08 May 2020		
<div></div> <p>This electronically issued document is the valid original version. On behalf of the Managing Director: Liu Wang, Controller</p>		
<small>This electronically issued document is the valid original version. Please use the QR code to verify the integrity of this document. In case of possible falsification, the QR code will not be available. The document should always contain a watermark with the following text: 'This document is a copy of the original document. The document is not valid for use as a proof of origin.' The document is not valid for use as a proof of origin.</small>		

Example of GOTS Scope Certificate

GOTS 2014-018 Ed.02A/Rev.00

**Certificate of Compliance**  
Certificato di Conformità  
GOTS 2014-018

**Institute for Ethical and Environmental Certification**

declares that  
dichiara che

**I Cotoni di Albini Spa**  
Licence Number: G00154  
ALBINO (BG) - ITALY

has been inspected and assessed according to the  
è stata ispezionata e valutata

**GLOBAL ORGANIC TEXTILE STANDARD (GOTS)**  
- Version 6.0:2020 -

and that products of the categories as mentioned below (and further specified in the annex) comply  
e che i prodotti appartenenti alle categorie indicate di seguito, e specificatamente descritti in allegato, sono  
conformi con lo standard

**with this standard:**

**Product categories:**  
Categorie di prodotto  
**Yarns - Filati**

**Processing steps carried out under responsibility of the above mentioned company for the certified products:**  
Processi svolti sotto la responsabilità della ditta sopra indicata  
**Spinning, Dyeing, Warehousing, Trading -  
Filatura, Tintura, Immagazzinamento, Commercializzazione**

This certificate is valid until: July 30<sup>th</sup>, 2021  
(Questo certificato è valido fino a)

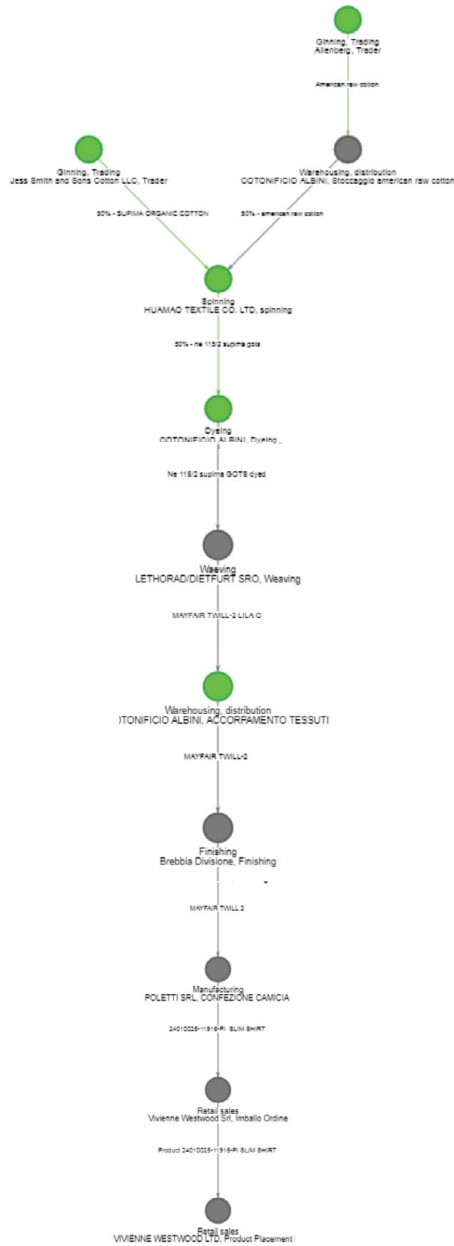
Place and date of issue/revision  
Luogo e data di emissione/revisione  
Bologna, December 1<sup>st</sup>, 2020

Certification manager  
Dr. Paolo Foglio



1 M.0401 - Ed.00 Rev.01

This Certificate of Compliance provides no proof that any goods delivered by its holder are GOTS certified. Proof of GOTS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering them. The issuing body can withdraw this certificate before it expires if the declared compliance is no longer guaranteed.  
This electronically issued document is the valid original version.



POLETTI S.r.l



During the project, both GOTS Transaction Certificates and GOTS Scope Certificates were collected



# UNECE BLOCKCHAIN PLATFORM: FROM TESTING TO PILOT CASES FINALIZATION

UNECE Blockchain Platform Log-in page

## UNECE Traceability & Transparency Blockchain pilot



**Username:**

**Password:**

☐ Show password

Login

To build the platform, a dry-run was previously carried out with the help of the UNECE Blockchain Team and the partners involved in the project

**Blockchain Platform Meetings and Trainings:**  
**+15 sessions** from May to July 2021  
**Stand-up Meetings: 10**  
**Key users created: 7**  
**Trainers involved: 4**



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PLEDGE  
TRACK IT, TRACE IT, WEAR IT!



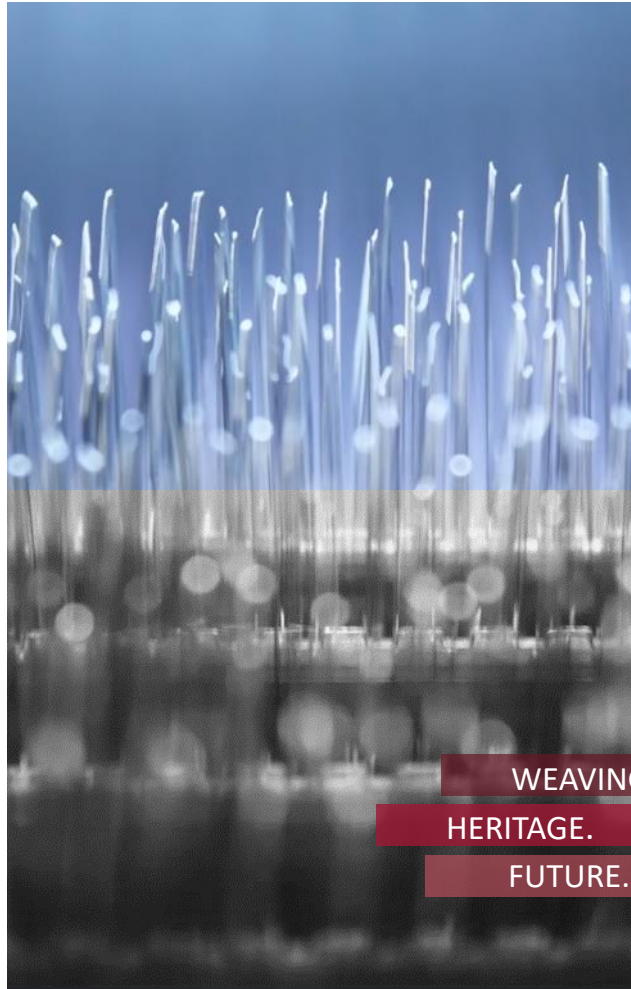
# Poll 3 – The Voice of the Customer

As an end consumer, are you open to consider ONLY Transparent Brands and Traceable finished garments in your shopping experience?

- ☐ I'm neutral and I want to leave open what the Companies are doing in their business;
- ☐ A transparent Brand has my trust, I do consider only them!;
- ☐ I don't matter the Brand, the finished products are only important for me;
- ☐ I need a tool to trace the origin the goods and other claims to drive my buying choices.







*Albini*  
GROUP



# A SUSTAINABLE APPROACH

Since more than a decade we have a clear vision on sustainability, which is oriented at:

## 1. Sustainable Materials

*Organic, recycled & eco-friendly materials*

## 2. Supply Chain Control

*Transparency & traceability*

## 3. Social Responsibility

*Respect & enhancement of people*



SUSTAINABLE

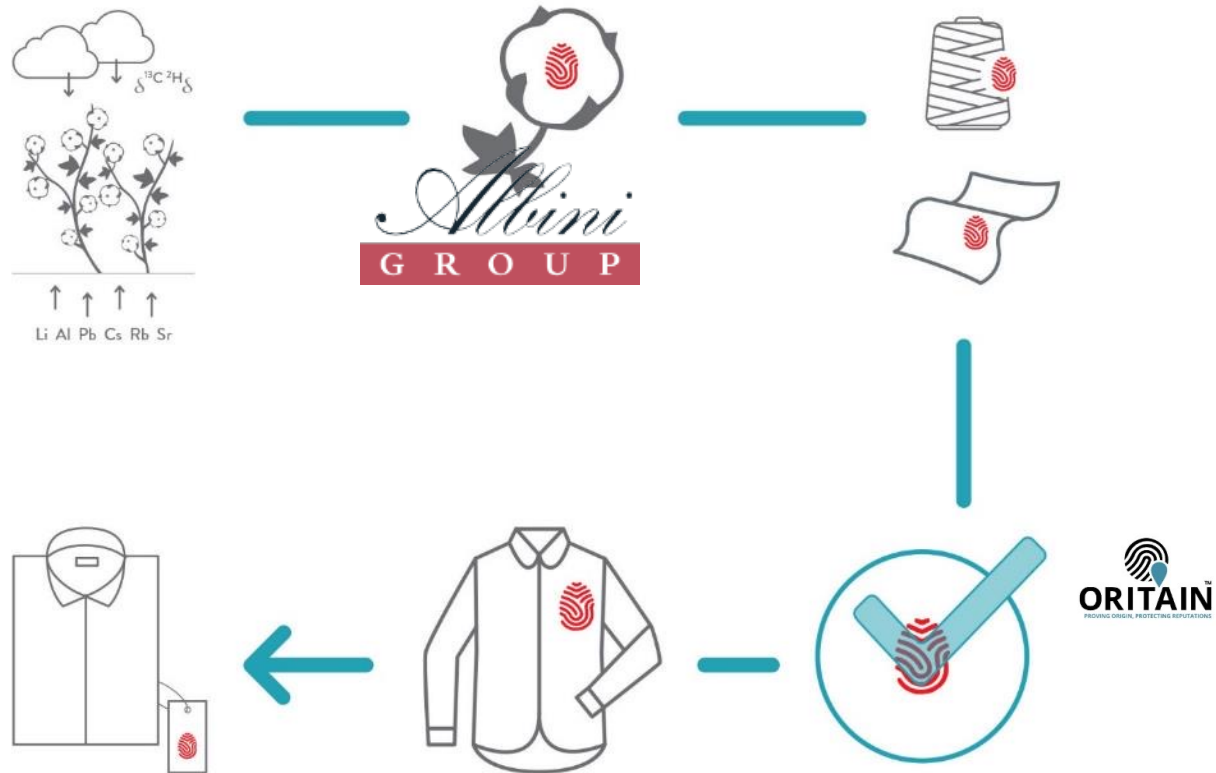


TRANSPARENCY



ETHICS

# Traceability: how does it work?







## ***What is behind Supima cotton?***

The project finds its roots in:

- the experience acquired in the **selection of the best raw materials** and in the **direct cultivation** of cotton in Egypt, Barbados and the United States
- the close **collaboration with six farmers** located in Texas, New Mexico and California
- the need to have an **organic and traced cotton**, which is ethically grown and of the highest quality

# Traceability: how does it work?



## *What makes a cotton “organic”?*

To be defined as “organic”, a cotton must come from **organic plantations** that meet the following requirements:

- The cultivated land has produced **exclusively organic products** for the previous three years;
- The seed is **GMO-free**;
- Chemical fertilizers, insecticides and pesticides are **not used**;
- The defoliation is **natural**.

# Traceability: how does it work?



1. Cotton samples are collected from the crop field
2. Samples are analyzed by Oritain™ using forensic science
3. Datas are transformed into a unique fingerprint for that cotton
4. The product can be checked at any stage of the production chain to verify that it is compatible with its original fingerprint
5. Only an exact match proves that the product is authentic

**The product is traced from the field to the fabric/garment, as a guarantee of its:**

- Origin
- Quality
- Ethical and sustainable production

# Traceability: what can you get?



- **On a B2B level:** we can supply you with the *Verification of Origin* by Oritain™ for the finished fabric
- **On a B2C level:** you can work with Oritain™ to obtain the certification also for the garment





# Poll 4 – Industry takes action!

As a Company in the B2B or B2C, are you ready to take action and start a TT program?

- ☐ Yes, but I don't know how to step-in action;
- ☐ I need an internal discussion to include the TT in our strategies;
- ☐ We already have a TT program in place;
- ☐ Not now, I want to wait for others to implement a TT program before to decide.



# **Module 8/1**

## **The Technology model for TT and due diligence in textile and leather**

Dedagroup Stealth, Silvia Santato, Marketing Manager

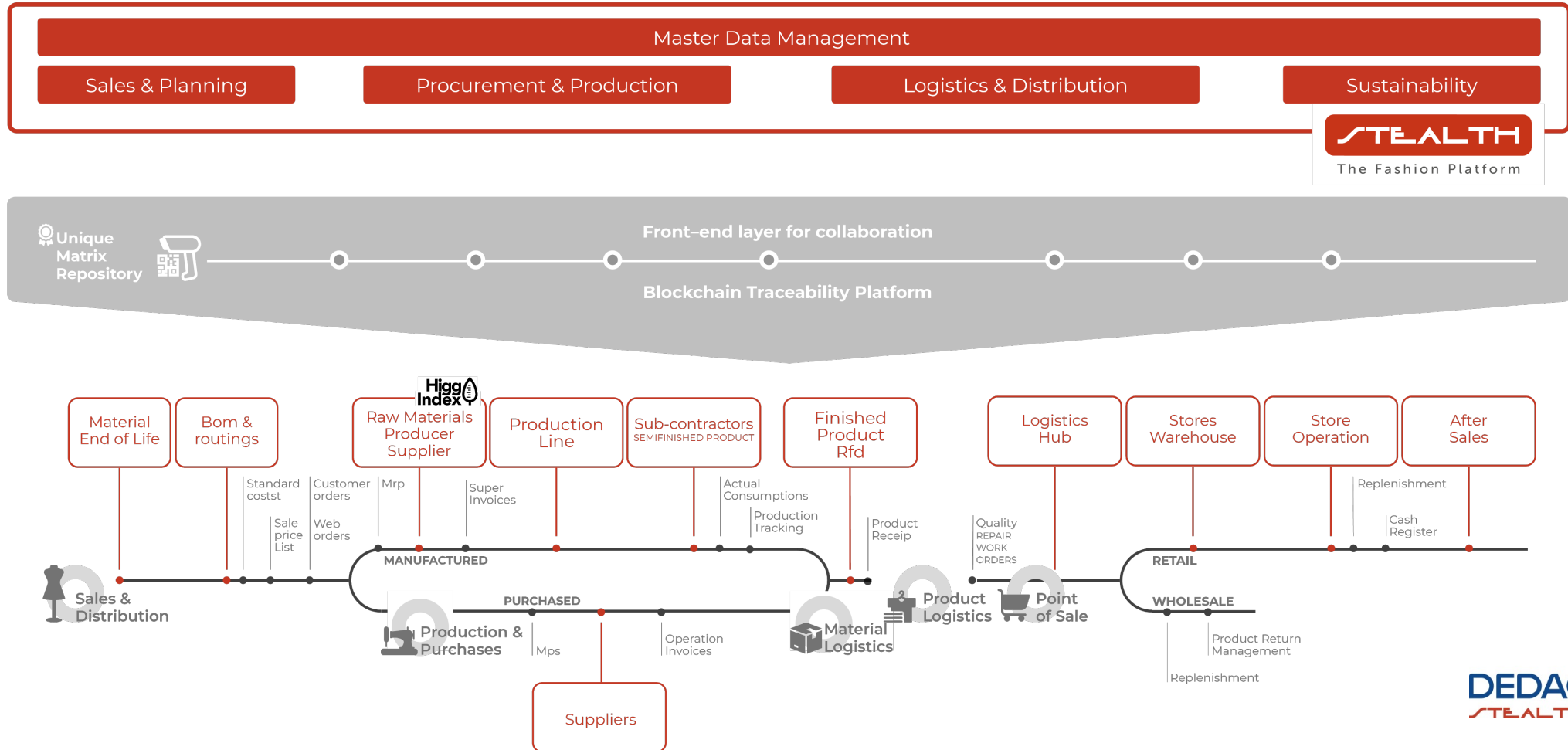
# What market says

*The fabrics we have already produced are enough for us, yet we continue to produce huge quantities of garments from virgin fabrics*

*Sara Arnold co-founder Fashion Act Now*

- A new generation of designers called «regenerative» is being born with an environmental approach that starts from the conception and design of the product
- The «creative recycling» trend has characterized some SS 2021 collections of luxury brands
- New designers should be able to use surplus stocks of available raw materials, instead of ordering new ones
- Change in the creative process

# The integration of Blockchain technology into the ERP system



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# Poll 5 – Integrated Technology!

Has the Blockchain technology a relevant role in the data exchange for TT?

- ☐ Yes, an open source Blockchain platform is to guarantee the trust among many different players;
- ☐ I'm quite agnostic about the technology, I agree that verified data is the most important fact;
- ☐ I don't know what Blockchain is and how to use it;
- ☐ Other technologies can be more relevant to exchange data in a TT program.



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# Polls (results)



# Q&A



# UNECE-SDA Bocconi Regional Workshop 21-23 September 2021



**THANK YOU  
JOIN THE SUSTAINABILITY PLEDGE**

**[thesustainabilitypledge.org](https://thesustainabilitypledge.org)**



# Day 3 - 23 Sept. 2021

Afternoon

14.00-15.30

## **MODULE 8: THE TECHNOLOGY MODEL FOR TRACEABILITY AND TRANSPARENCY AND DUE DILIGENCE IN TEXTILE AND LEATHER**

**Learning Objective:** Deep dive into UNECE blockchain system features and functionalities through demos for the cotton and leather blockchain pilots and address data privacy and security issues

### **Presenters**

- [UNECE Project Expert](#), Andrea Redaelli
- [UNECE Project Expert](#), Claudia di Bernardino

### **Discussants**

- [SUPSI University](#), Giacomo Poretti, IT Engineer Senior Researcher (online)
- [SUPSI University](#), Luca Ambrosini, IT Engineer Researcher
- [UNECE Project Expert](#), Deborah Taylor
- [FAO Regional Office Latin America and the Caribbean](#), Ingrid Zabaleta, Regional Executive Assistance + Cotton Project (online)

15.30-16.00

*Coffee break*

16.00-16.30

## **CLOSING CEREMONY**

- [SDA Bocconi](#), Giuseppe Soda, Dean (tbc)
- [UNECE](#), Elisabeth Tuerk, Economic Cooperation and Trade Division Director (online)



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