

Day 3 - 23 Sept. 2021

11.30-13.00

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

Learning Objective: Deep dive into onboarding partners, setting consortia, dealing with data management and IP rights and the role of physical markers

Presenters

- [UNECE Project Expert](#), Piera Solinas
- [UNECE Project Expert](#), Claudia di Bernardino

Discussants

- [Filmar Group Spa](#), Enrico Marzoli, Vice President (online)
- [Haelixa](#), Gediminas Mikutis, CTO and Co-founder

13.00-14.00

Lunch

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)

UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

MODULE 8/2 **The Technology Model for TT and due diligence in textile and leather**

**Onboarding partners, rules for collaboration and data
management, role of physical markers**

23 Sept - 11:30-13:00 CEST

Piera Francesca Solinas,
UNECE Project Expert

Claudia Di Bernardino,
UNECE Project Expert

UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

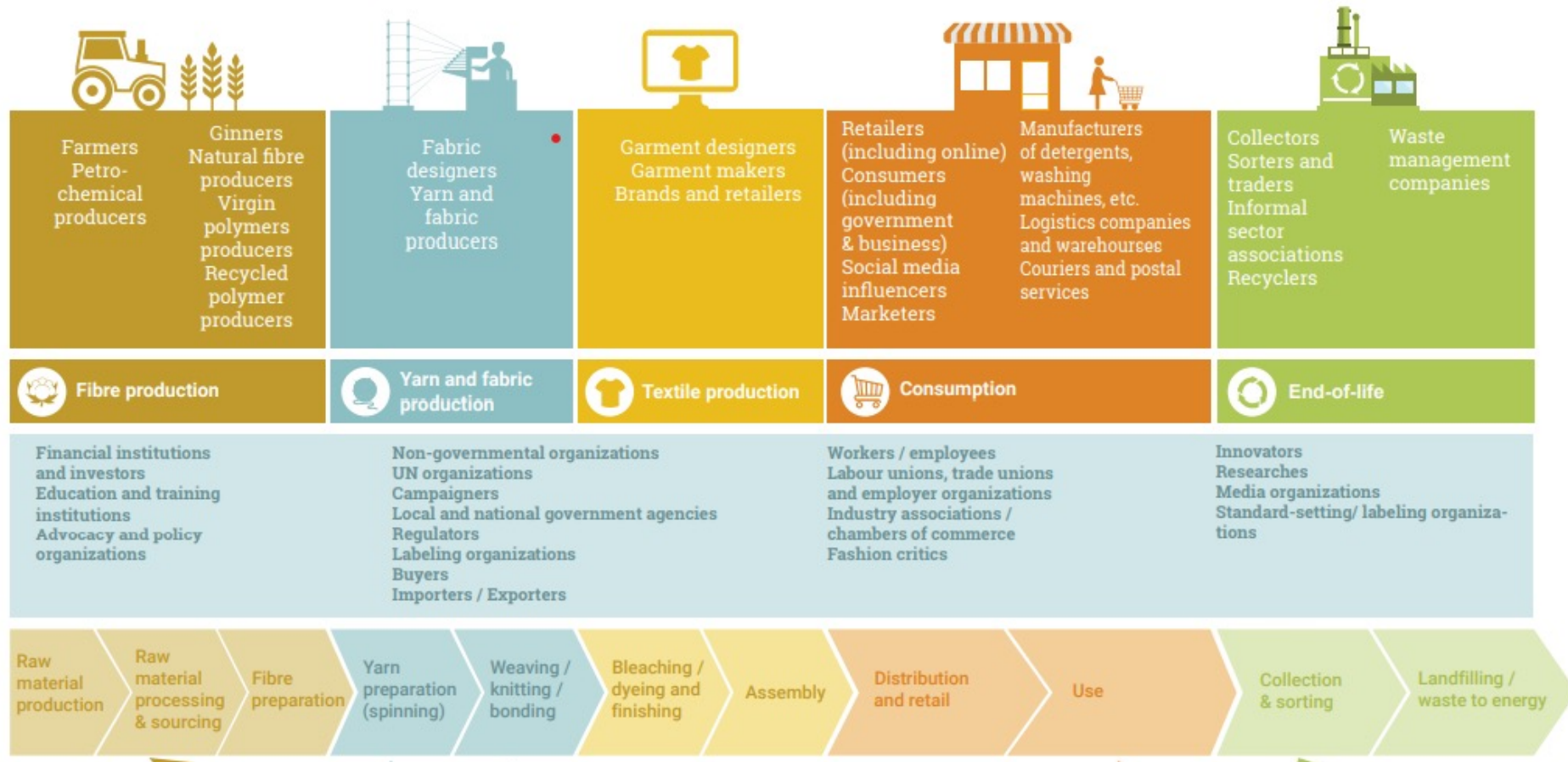
MODULE 8/2 **The Technology Model for traceability and transparency and due diligence in textile and leather**

Onboarding partners
23 SEPT – 11:30-13:00 CEST

Piera Francesca Solinas,
UNECE Project Expert

Onboarding partners

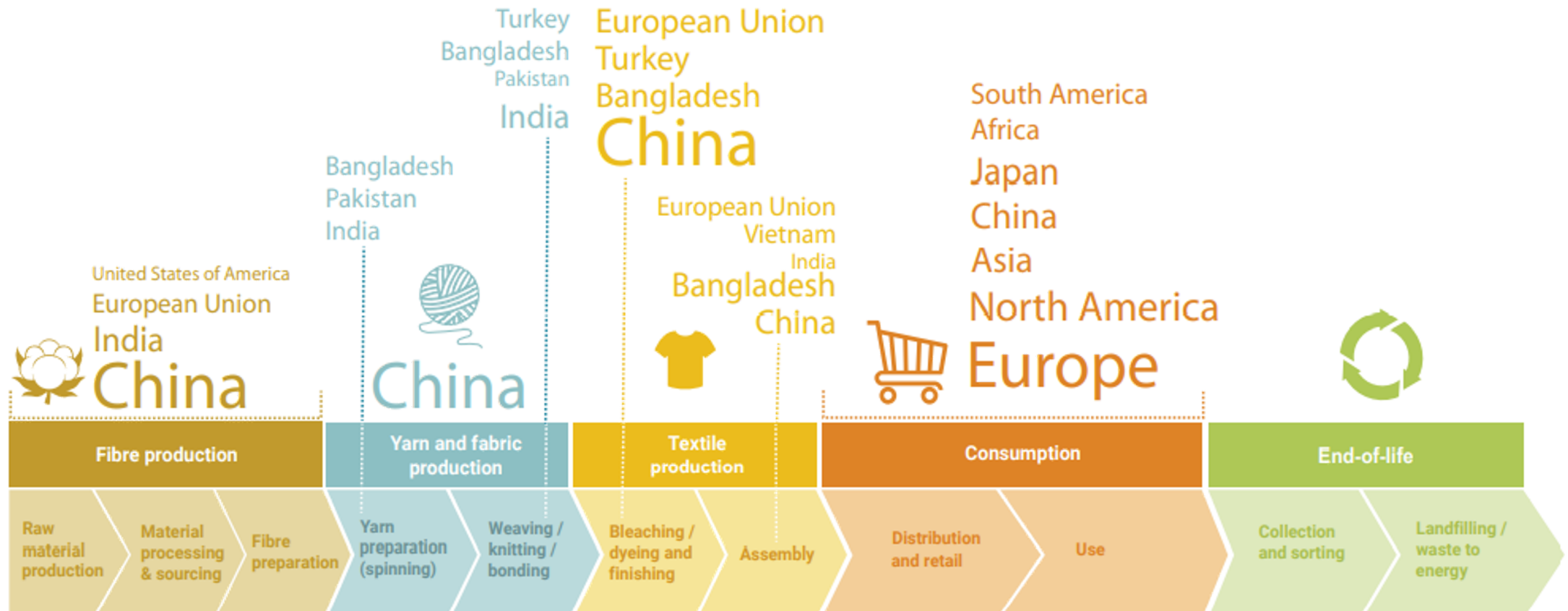
STAKEHOLDERS ASSOCIATED WITH TEXTILE VALUE CHAIN



Source UNEP, Sustainability and Circularity in the Textile Value Chain

Onboarding partners

GEOGRAPHICAL BREAKDOWN OF GLOBAL APPAREL PRODUCTION AND CONSUMPTION



Source UNEP, Sustainability and Circularity in the Textile Value Chain



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

MODULE 8/2 **The technology model for TT and due diligence in textile and leather**

Rules for collaboration and data management

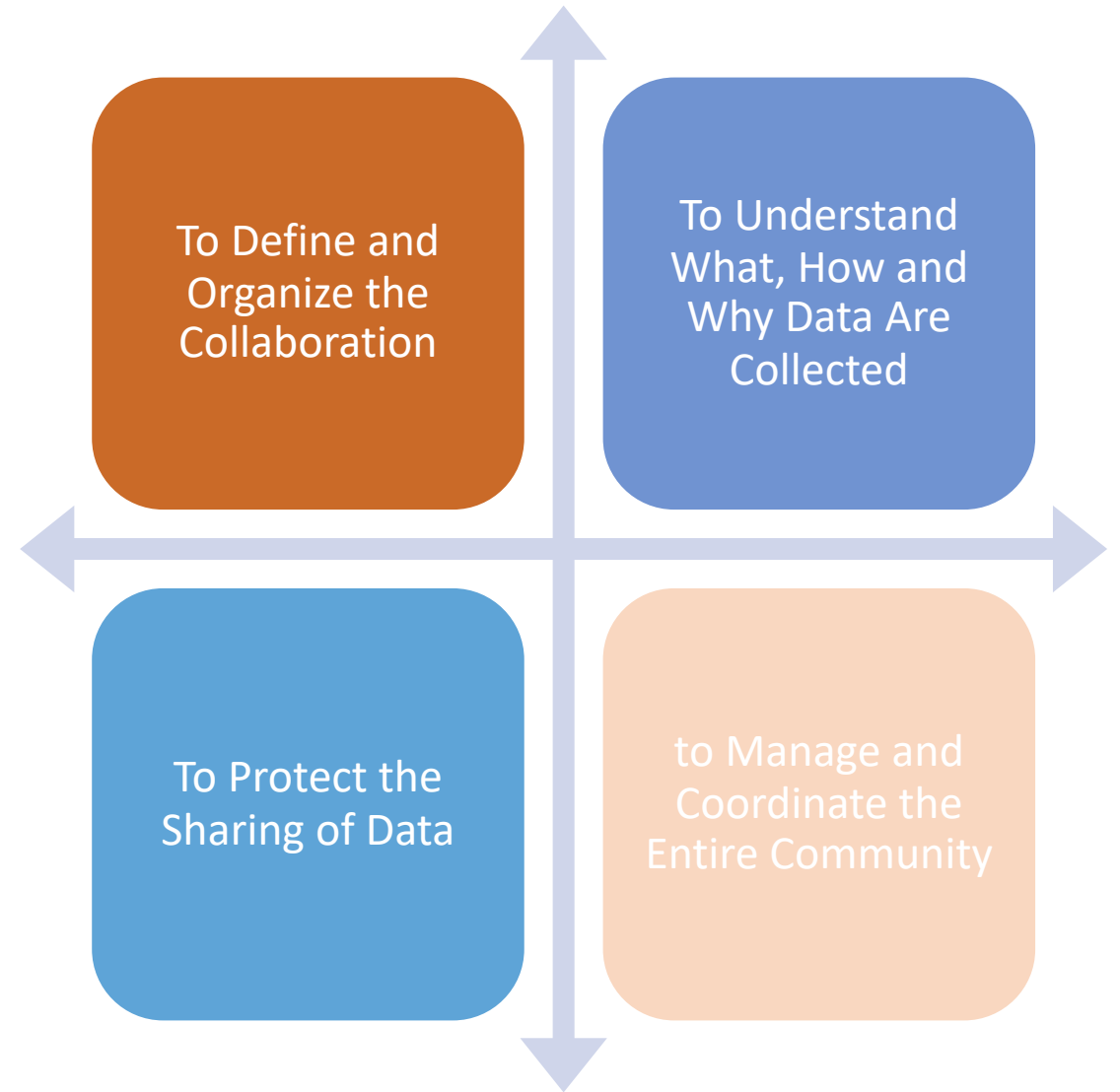
23, SEPT 2021 - 11.30-13.00 CEST

**Claudia Di Bernardino,
UNECE Project Expert**

Rules for collaboration and data management

FRAMEWORK OF COOPERATION

Why is needed?



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Rules for collaboration and data management

AREAS OF COOPERATION

Identifying the Sustainability Claims and Key Data Entities to be Collected and Exchanged

Selecting Relevant Products and Materials, Value Chain Actors

Sharing Traceability and Transparency Information

Showing the Sustainability Performance of Products, Processes and Facilities

Undertaking and Fostering Collaboration between Relevant Value Chain Actors



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Rules for collaboration and data management

ORGANIZATION OF THE COOPERATION

Guidance and Technical Advice on the Implementation of the Pilots Activities

UNECE – UN/CEFACT Approach and Standard for Collection and Exchange of Traceability and Transparency Information

Access to the Blockchain Solution for Collection and Exchange of Traceability and Transparency Information

Meetings, Workshops and Training on the UNECE – UN/CEFACT traceability and Transparency Approach and Standard, and Pilot Activities

Proof of Concept to Present the Outcomes of the Pilots and activities to promote findings and lessons learned



UNECE

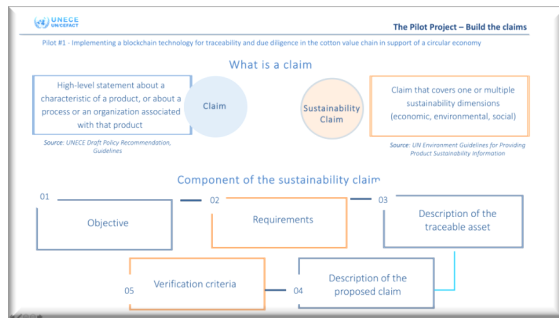
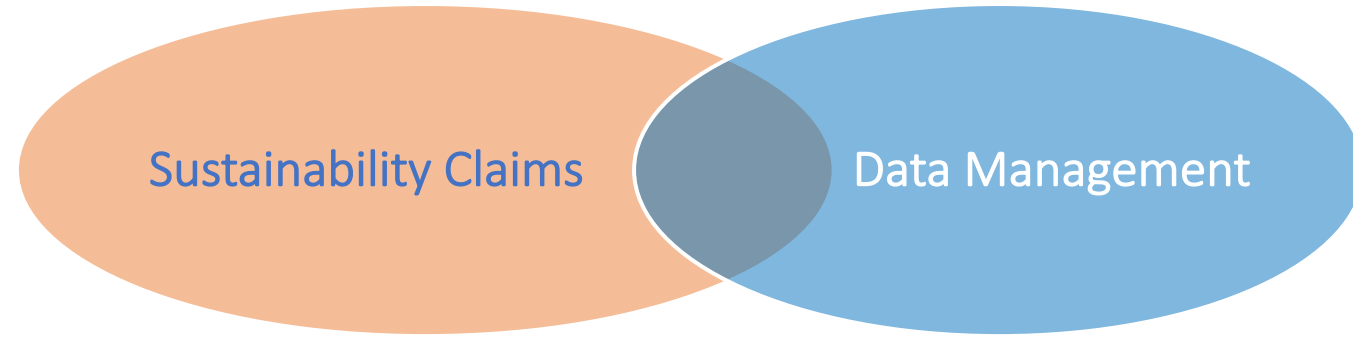


THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Rules for collaboration and data management

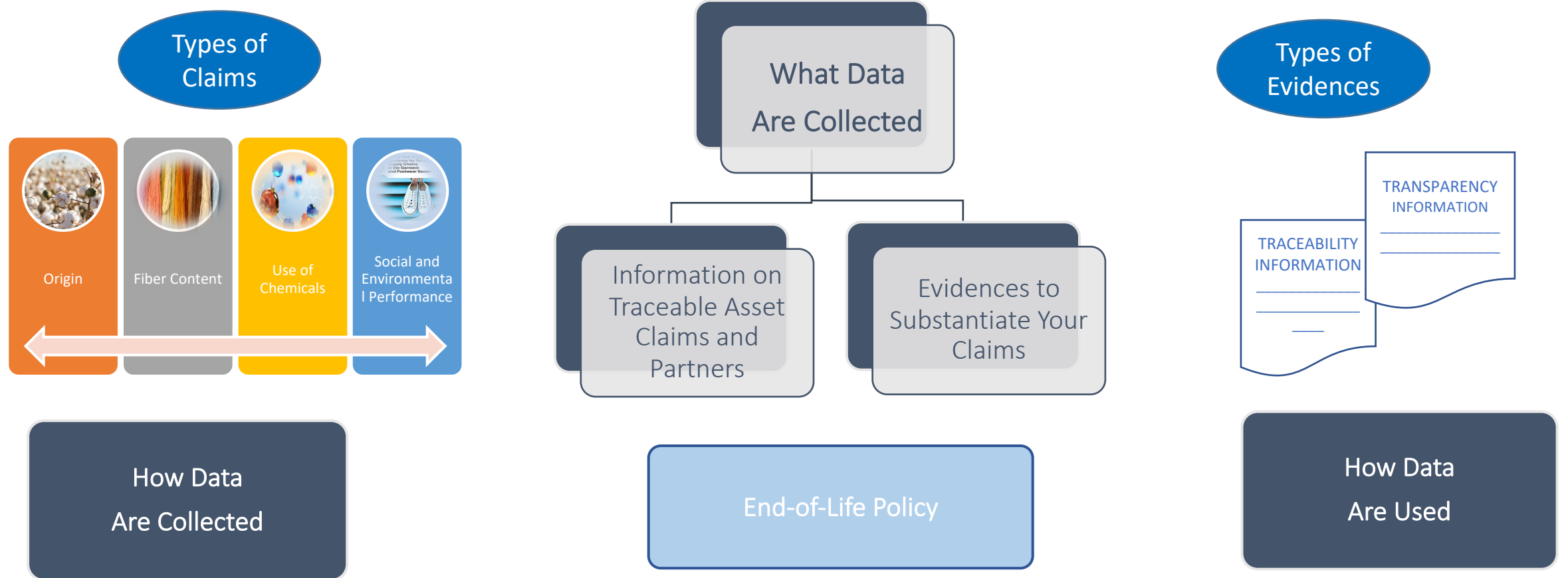
TOOLS FOR THE COOPERATION



	Who	When	Where	How	What	Why
General information applicable to all claims	Who	When	Where	How	What	Why
CLAIM SUBJECT	Who	When	Where	How	What	Why
Origin	Who	When	Where	How	What	Why
Composition	Who	When	Where	How	What	Why
Use of chemicals	Who	When	Where	How	What	Why
Environmental performance based on the minimum set of sustainability criteria	Who	When	Where	How	What	Why

Rules for collaboration and data management

THE SOLUTION DEVELOPED WITHIN THE PILOT PROJECT: THE RULES BOOK



UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

MODULE 8/2 **The Technology Model for TT and due diligence in textile and leather**

Role of physical markers

23 SEPT - 11:30-13:00 CEST

Gediminas Mikutis,
Chief Technology Officer,
Haelixa

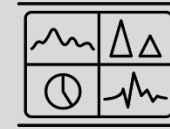
Piera Francesca Solinas,
UNECE Project Expert

Physical vs digital traceability



Blockchain stores information in a reliable way but lacks connection to the physical item itself.

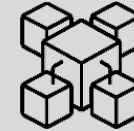
Physical markers are necessary to ensure that fiber, yarn, or fabric does not get mixed or exchanged throughout different processing steps.



ERP



Certification



Blockchain



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

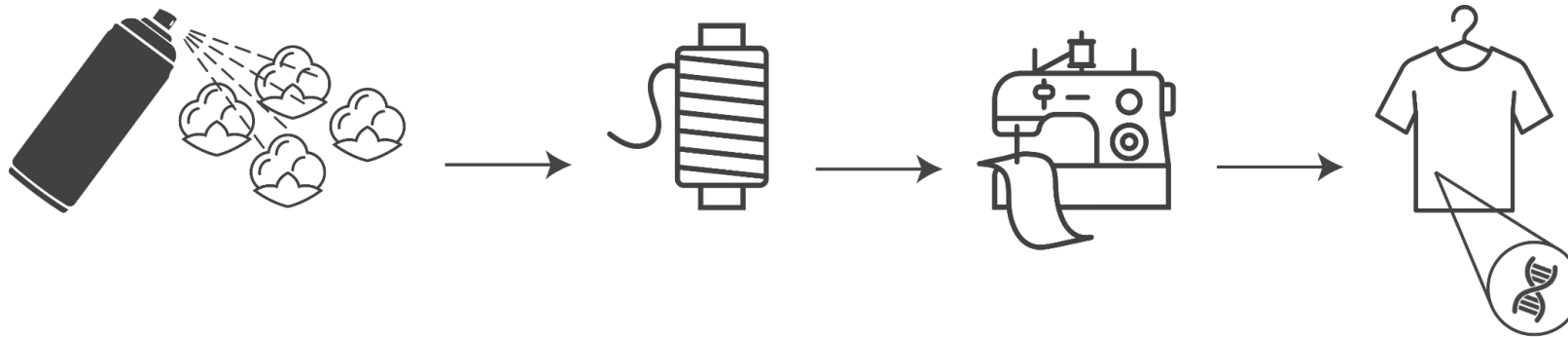
DNA-based markers to physically trace textiles

1. MARK fibers with unique DNA-based markers

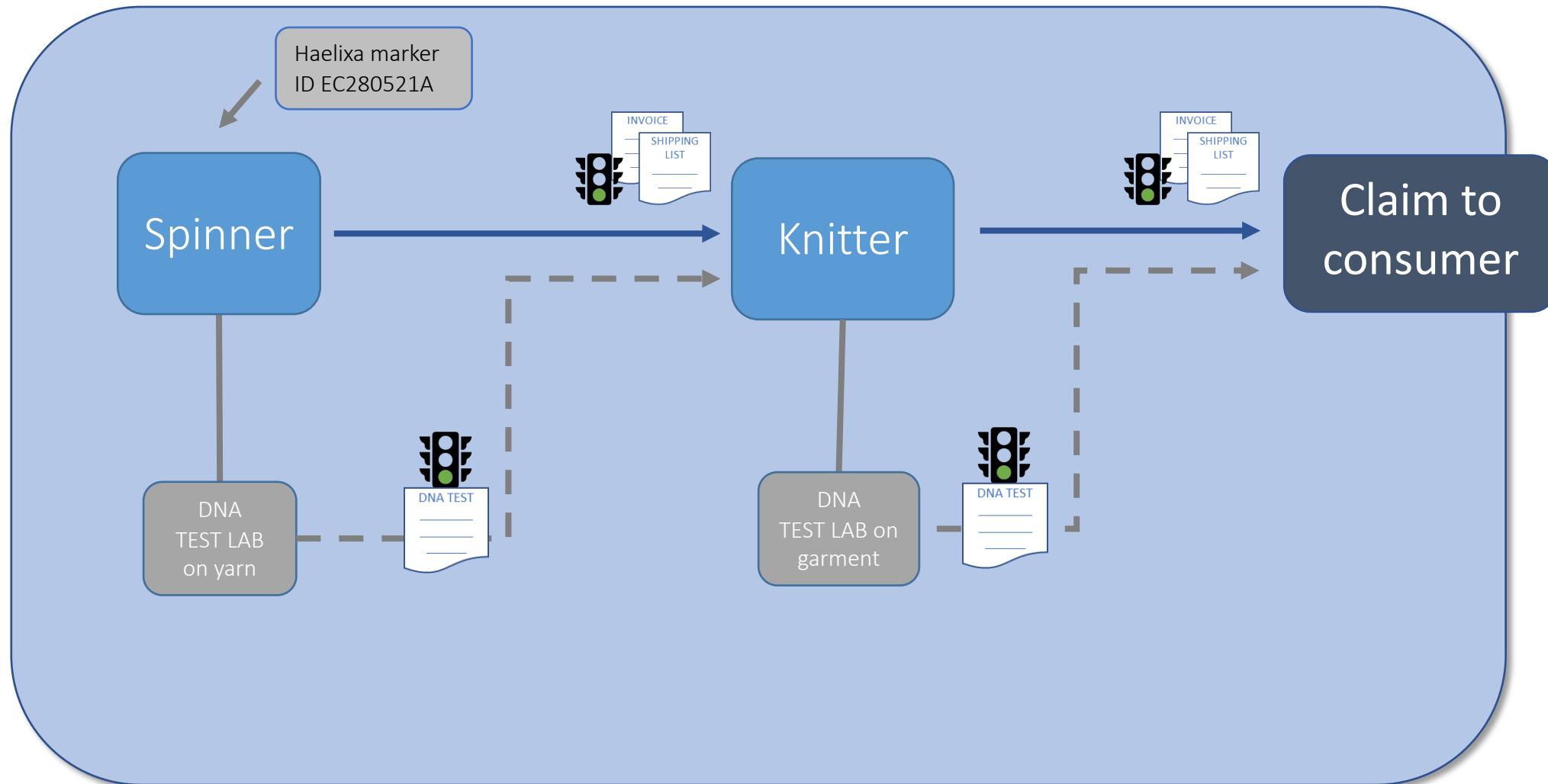
at a gin or a spinning mill, giving the product a unique identity corresponding to claims (origin, quality, sustainability criteria)

2. VERIFY at any node of the supply chain

to connect the physical product to the digital claim associated with the DNA marker



CLAIM ON FIBER ORIGIN TRACED WITH PHYSICAL MARKER: the industry experience in the cotton pilot



UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

MODULE 8/2 **The Technology Model for TT and due diligence in textile and leather**

The industry perspective

23 SEPT – 11:30-13:00 CEST

Enrico Marzoli,
Vice President FILMAR S.p.A.

Questions to Filmar and audience

1. Onboarding partners is key to start working and developing corporate strategies and action plans for TT. But, how challenging was it (or you think it will be) for your company?
1. How do you see the future of Blockchain for textile fashion industry ?

Key Takeaway



Onboarding value chain partners for TT is easier if started by
a pull action from brands and retailers



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Key Takeaway



Develop and Implement
a Framework of Cooperation and Understanding
to facilitate business relations and analysis, using and
sharing of data among business partners



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Key Takeaway



Integrate physical and digital traceability captured on a BC platform
to create opportunities to prove origin of raw materials
also in circular production processes



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

Q&A



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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

UNECE-SDA Bocconi Regional Workshop 21-23 September 2021

MODULE 8/2 **The Technology Model for TT and due diligence in textile and leather**

The industry perspective

23 SEPT – 11:30-13:00 CEST

Judith Meyer,
Sustainability & Innovation Manager, WEBA



WEBA

Switzerland

TRANSPARENCY & TRACEABILITY The WEBA Case

Judith Meyer

23rd September 2021 | Milan



WHERE WE ARE COMING FROM

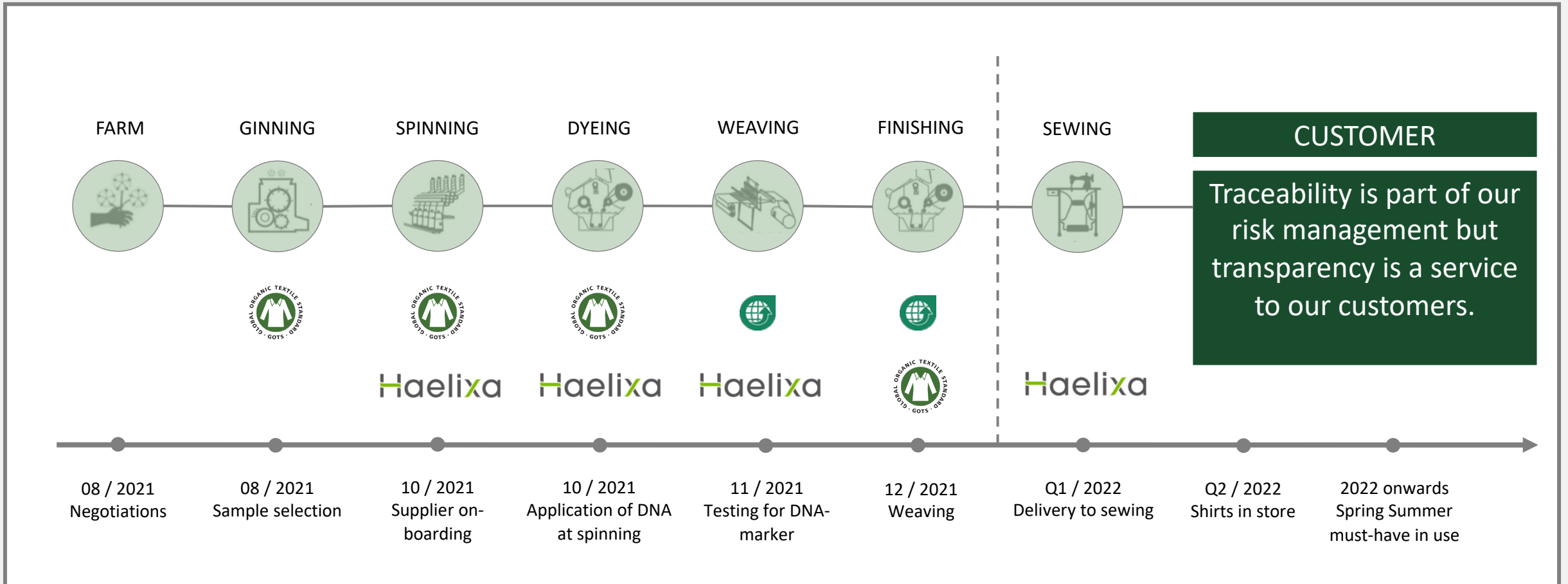
Weba is a producer of high quality and low impact shirting fabric.

- | We have been in the blockchain project since the beginning.
- | We completed a pilot project with Haelixa's DNA-marker.
- | We are in a pilot project combining both tools, right now.

WEBA

Switzerland

SUPPLY CHAIN & PROJECT TIMELINE





WEBA

Switzerland

THANK YOU

UNECE-SDA Bocconi Regional Workshop 21-23 September 2021



**THANK YOU
JOIN THE SUSTAINABILITY PLEDGE**

thesustainabilitypledge.org

Day 3 - 23 Sept. 2021

13.00-14.00

Lunch

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)



UNECE



THE
SUSTAINABILITY
PLEDGE
TRACK IT, TRACE IT, WEAR IT!

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