

THIRD WORKING MEETING -Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

Working Session

Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

Join the ToS meeting to deepen preliminary recommendations by laying-down the foundational elements of an ESG monitoring and reporting protocol, looking at issues from a cross-sectorial and sector-specific perspectives in key value chains for the transition to a circular economy.



Tuesday
9th May 2023

09:30 - 17:30 CEST

Palais des Nations
Geneva

Speakers



Elisabeth Tuerk
Director,
Economic
Cooperation and
Trade, UNECE



Sabrina Frontini
Director, Institute of
Quality Certification
for the Leather
Sector



Harm Jan van Burg
Vice-Chair of ToS,
Senior Policy
Advisor on IS,
OASIS



**Virginia
Cram-Martos**
CEO, Project Lead,
Triangularity,
UN/CEFACT



Steven Capell
Managing Director
Project Lead,
GoSource Pty Ltd
UN/CEFACT



Nancy Norris
Senior Director,
British Columbia
Ministry of Energy



Rakesh Vazirani
Head of
Sustainability
Services, TÜV
Rheinland Group



Carole Hommey
General Manager,
Initiative for
Compliance and
Sustainability



**Grzegorz
Tajchman**
IT Solutions
Manager,
ITC



Francesca Poggiali
Chief Public Policy
Officer Europe,
GSI



Kendra Pasztor
Senior Manager -
MEL,
Better Cotton



Luciana Gutmann
Project Fellow,
Securing Critical
Minerals for Energy
Transition, WEF



**Charles Arden-
Clarke**
Former Head One
Planet Network
secretariat, UNEP



**Nathalie
Bernasconi**
Vice Chair of ToS,
Executive Director,
IISD Europe

Tuesday 9 May 2023, Room XVII, Palais des Nations, Geneva Switzerland

09:30-17:30 CEST

Working Meeting

Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

09:30 - 10:00 OPENING AND WELCOME REMARKS

- UNECE, **Elisabeth Tuerk**, Director, Economic Cooperation and Trade, UNECE
- ToS Secretary, **Maria Teresa Pisani**, Secretary of the Team of Specialists on ESG and Project Lead, The Sustainability Pledge

Tuesday, May 9, 2023

Agenda

09.30-10.00

OPENING AND WELCOME REMARKS
APPOINTMENT OF THE NEW CHAIR OF THE TEAM OF SPECIALISTS

10.00-11.00

ITEM 1: WHERE ARE WE NOW ON ESG TRACEABILITY?

Break from 11.00-11.30

11.30-12.30

**ITEM 2: TEAM OF SPECIALISTS WORKSHOP - PART I : DATA FOR ESG MONITORING AND REPORTING
PROTOCOL**

Lunchbreak 12.30-14.00

14.00-16.00

**ITEM 3: TEAM OF SPECIALISTS WORKSHOP- PART II: CROSS-SECTORIAL AND SECTOR-SPECIFIC
CHALLENGES**

Break 16.00-16.30

16.30-17.30

ITEM 4: TEAM OF SPECIALISTS WORKSHOP - PART III: FUTURE AREAS OF WORK AND FUNDRAISING:

17:30

CLOSING

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

APPOINTMENT OF THE NEW CHAIR OF THE TEAM OF SPECIALISTS

Candidate:

- GIZ (German Agency for International Cooperation), **Christian Hudson**, Lead, Global Textiles Transparency Project

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

10.00-11.00

ITEM 1: WHERE ARE WE NOW ON ESG TRACEABILITY?

Moderator: Vice-Chair of the ToS, **Harm Jan van Burg**, Senior Policy Advisor on International Standards, OASIS

Presenters:

- GoSource Pty, **Steven Capell**, Managing Director and UN/CEFACT Project Lead
- UNECE, **Maria Teresa Pisani**, Secretary of the Team of Specialists on ESG and Project Lead, The Sustainability Pledge
- Triangularity, **Virginia Cram-Martos**, CEO and UN/CEFACT Project Lead

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10.00-11.00

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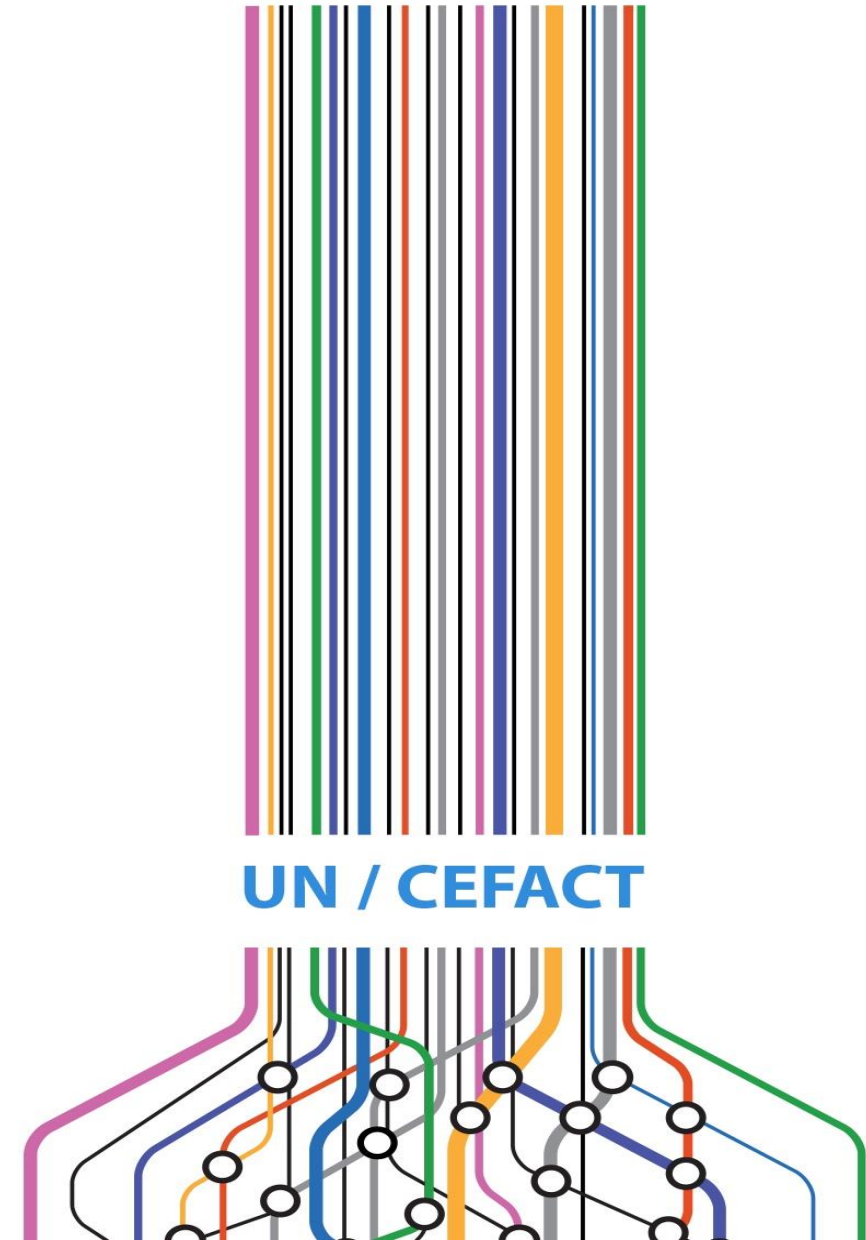
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UN/CEFACT 40th Forum

Team of specialists sustainable supply chains

Where are we on ESG Traceability?

Steve Capell
steve.capell@gmail.com



UN / CEFACT

A key risk - greenwashing

As regulatory and consumer pressures drive up demand (and justify premium prices) for sustainable goods, so the commercial incentive to make fake sustainability claims will increase.



EC investigation : 59% of environmental claims had no evidence and 42% were deemed false or deceptive.

Fast Company: 68% of executives admit their company is guilty of greenwashing.

Survey: 78% of consumers believe that companies should be environmentally responsible and are willing to pay premiums for confidence in those claims.

Secretary General Guterres at COP27 2022 : **“Zero Tolerance for Greenwashing”**

https://www.un.org/sites/un2.un.org/files/high-level_expert_group_n7b.pdf

https://ec.europa.eu/commission/presscorner/detail/en/ip_21_269

<https://www.fastcompany.com/90740501/68-of-u-s-execs-admit-their-companies-are-guilty-of-greenwashing>

<https://blog.gitnux.com/greenwashing-statistics/>

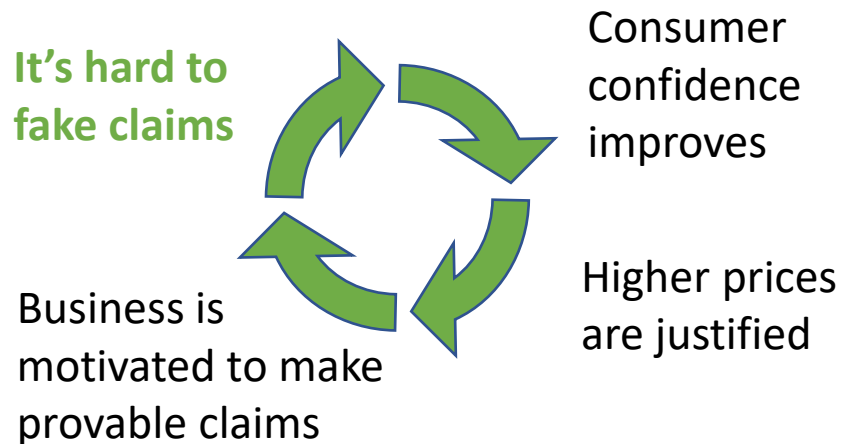
<https://www.un.org/en/delegate/%E2%80%98zero-tolerance-greenwashing%E2%80%99-guterres-says-report-launch>

What could be the consequences of greenwashing?

There is already a significant difference between consumer expectation and market behaviour.
There are two plausible pathways out of this:

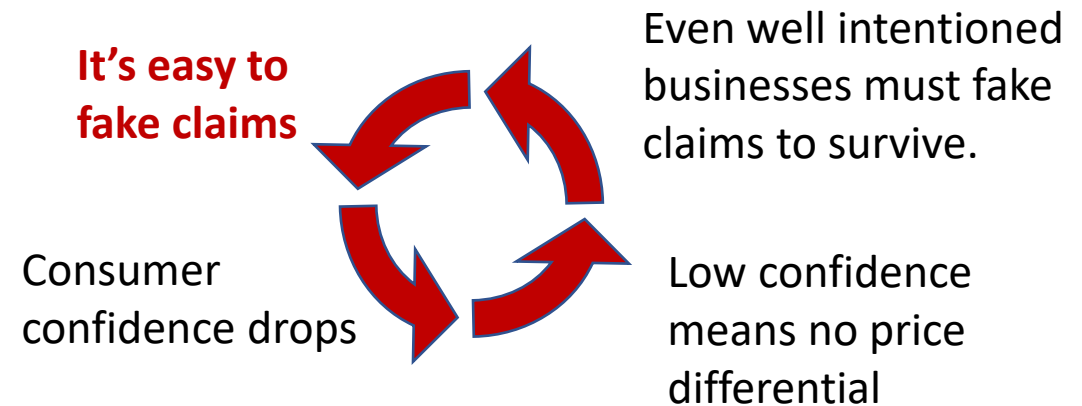
Either : A race to the top

Greenwashing is rare and has nowhere to hide



Or : A race to the bottom

Greenwashing is ubiquitous and undetectable



So we should be motivated to make it hard to fake claims! That is the focus of this presentation.

So how can we trust sustainability claims?

There are three ways that sustainability claims might be verified. They can and should work together

I say it's true :
prove me wrong!



*Make claims public
and rely on activism
to call out fakes.*

**Important starting point
but easiest to fake.**

They say it's true :
do you trust them?



*Trusted authorities
accredit certifiers who
audit the claims.*

**Good, but you've got to trust the
audit process and the auditor.**

It's self-evidently true:
I can see the proof myself.



*Digitally verifiable
traceability & transparency
supports the claims*

**We'll focus on the this one
because it's the hardest to fake**

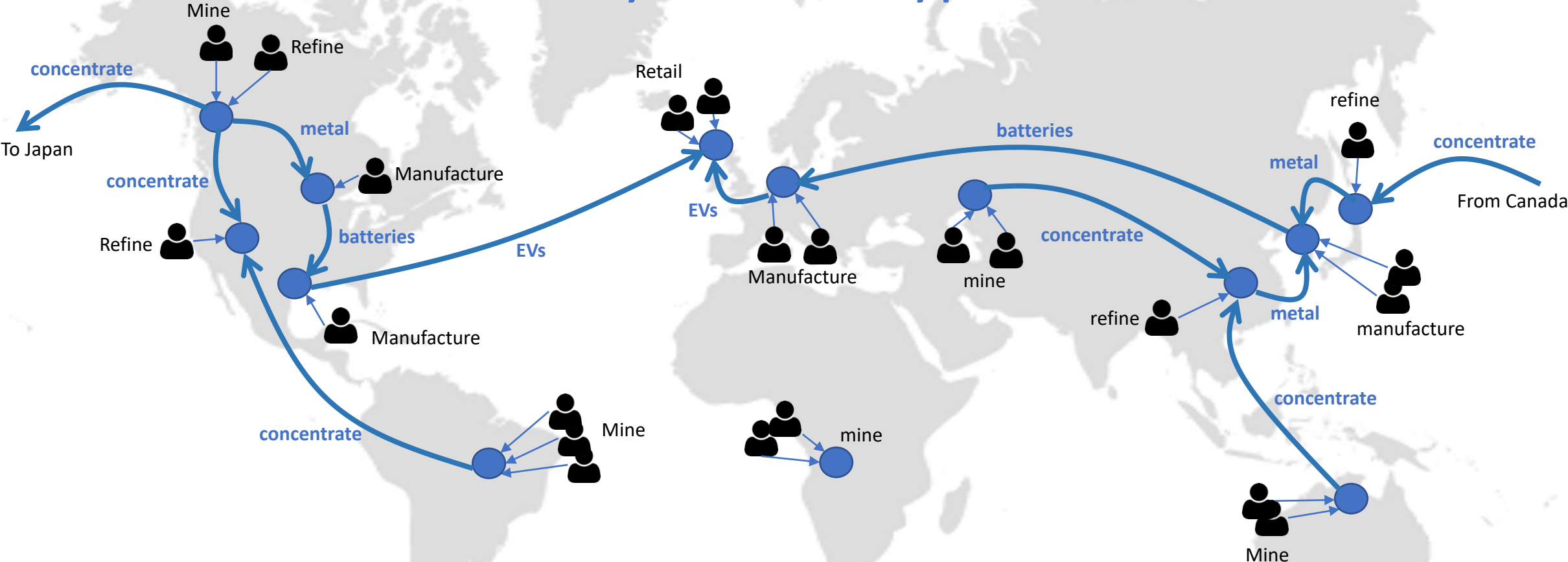
But how to connect up complex global supply chains?

Textile & leather simple example



And there are many different industry sectors.

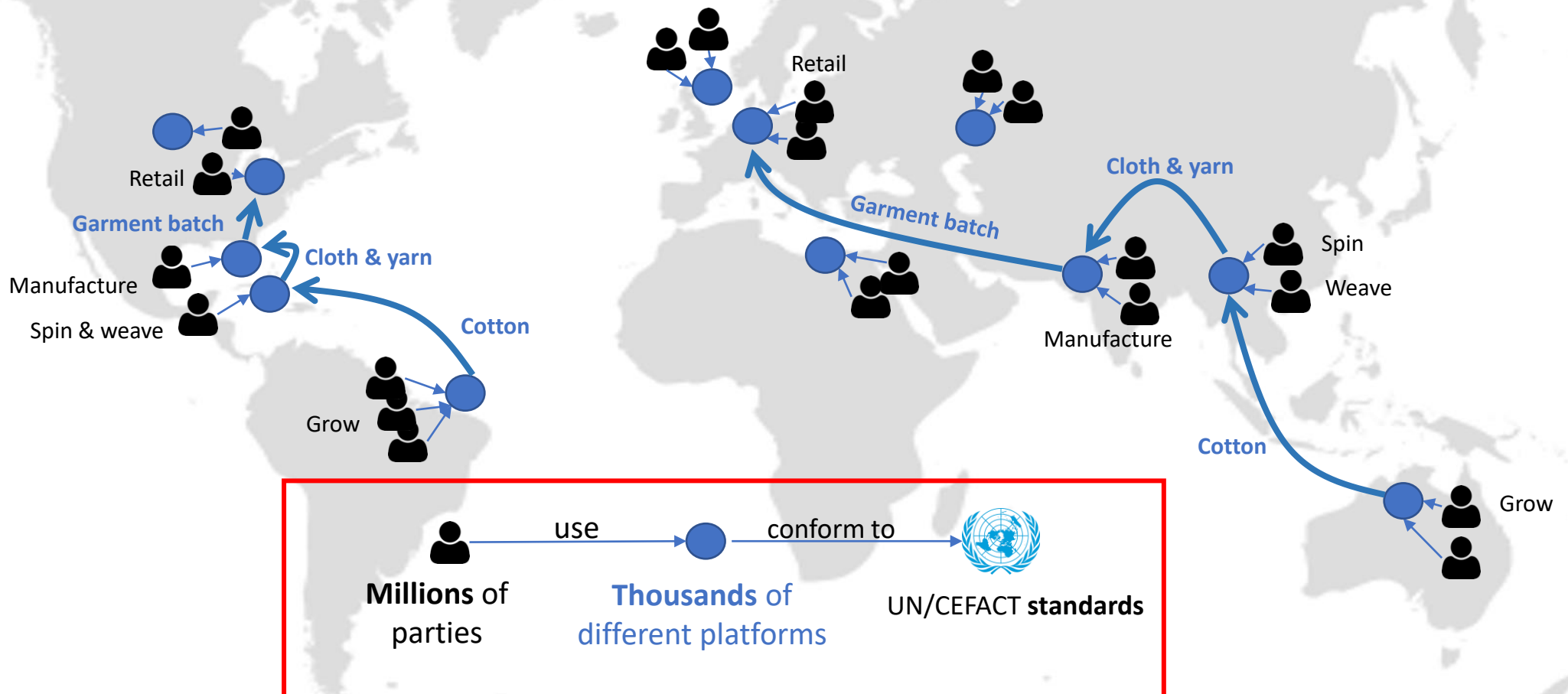
And each industry sector has many platforms to choose from



So the key question is how to connect up the blue dots

And the more decentralised the solution, the greater the need for standards.

UN/CEFACT's mission is to provide those standards.



Here's what we have so far

<https://unece.org/trade/traceability-sustainable-garment-and-footwear>

Provides the business requirements and detailed traceability and transparency data models that supported the world-leading work of this team.

https://unece.org/sites/default/files/2022-09/WhitePaper_VerifiableCredentials-CBT.pdf

A white paper that describes how verifiable credentials provides the most scalable, highest integrity, and lowest cost mechanism to achieve traceability (ie join the dots).

<https://vocabulary.uncefact.org>

Provides the JSON-LD semantic vocabulary for the claims to put into your VCs. Use this vocabulary so that others can understand the meaning of your claims.

<https://test.uncefact.org/vckit>

Is an open source VC issuer & verifier that is free for you to use. Alternatively you can use any other software so long as it is interoperable.

And a new project just about to start

CRM sustainability & resilience.

<https://uncefact.unece.org/display/uncefactpublic/Critical+Minerals+Traceability+and+Sustainability>

Building on experience from the Textile & Leather traceability work and guided by the principles in the VC white paper, this project will deliver the digital standards to support both sustainability & resilience in the Critical Raw Materials sector. It will also cover areas such as trust graphs, physical-digital links and semantic mapping and so will also establish useful patterns for other sectors.

Thanks for listening.

Questions?

steve.capell@gmail.com

UN / CEFAC



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THE SUSTAINABILITY PLEDGE

TRACK IT, TRACE IT, WEAR IT!

Traceability and Transparency for Sustainable and Circular Value Chains in Garment & Footwear



THE SUSTAINABILITY PLEDGE

TRACK IT, TRACE IT, WEAR IT!

What's next

Blockchain Pilots' Projects



- **Stella McCartney** fully traced regenerative Turkish cotton T-Shirt
- First certified **Better Cotton** yarn from **Uzbekistan**
- New pilot for new fibers: **wool and synthetics**

UNECE-UNECLAC- Fashion Revolution study



Source | Unsplash

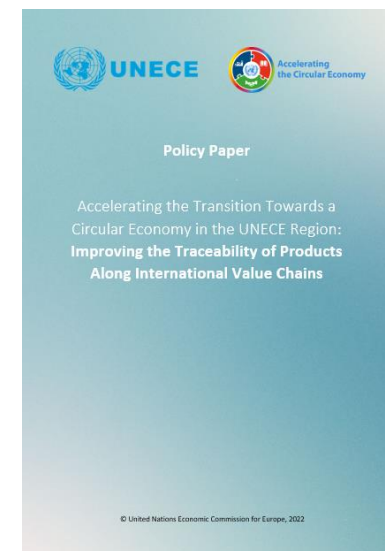
- Trade, import and disposal second-hand clothing in Chile
- Upcoming **press release**
 - Upcoming study **peer-review** of (UNEP, EMF, EEA)

New Pledges for T&T

2021-2023:

- **92** pledges for T&T
- **27** countries
- **+450** actors and partners involved

UNECE Policy paper (draft)



Enhancing Traceability of Products along International Value Chains for the Circular Economy and Sustainable Use of Resources

What's next & priorities

Strengthen

KPIs to measure the level of traceability and transparency in garment and footwear

Textile waste traceability

Scale up

Capacity-building activities through **engagement plans** in key focus countries

(i.e. Uzbekistan, ...)

Align

With the **Digital Product Passport** of the EU Eco-design Regulation

→ **Product Circularity Data project**

Replicate

Traceability & Sustainability for priority sectors for the circular transition

- **Critical Raw Materials**
 - **Agri-food**

Collaborate

- **GEF** project (reducing chemicals of concern in textiles)(South-East Asia)
- **WEF** Securing Minerals for the Energy Transition (SMET) WG
 - **WBCSD**,
- **Sustainable Markets Initiative**

CIRCULAR ECONOMY



Product Circularity Data Project

9 May 2023

Virginia Cram-Martos, UN/CEFACT Project Lead
Gerhard Heemskerk, UN/CEFACT Editor



Why this project?

- **Scope:**

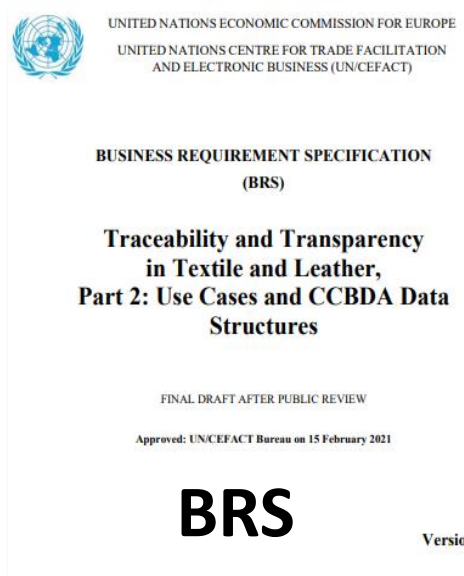
- Improve sustainability through product circularity
- By supporting the exchange of product circularity data:
 - For pre-consumption waste as well as post consumption goods and waste
 - for resale, rental, collections, sorting, recycling
 - for circular lifecycle management (especially post-consumption)

- **Objectives:**

- Global scope
- Cross-Industry – with an initial focus on textiles and leather
- Reuse existing standards
- Align with EU Digital Product Passport (DPP)
- Use the UN Core Component Library subset

What will it create?

An additional use case & data exchange structure in the Textile & Leather Business Requirement Specification (BRS)



1. Use case: Traceability Data

(Who, What, Why, Where, When data)

2. Use case: Product Transparency Data

(Certificates, Inspections data)

+ 3. Use case: Product Circularity Data Exchange



Product Circularity

Supporting reuse and recycle product life cycle stages through digital representations.

Main Output - Revised Traceability and Transparency Business Requirements (BRS) Specification which includes data for product circularity (blue=existing, red=new)

1 Introduction

- 1.1 Objective
- 1.2 Reference Documents
- 1.3 Audience
- 1.4 Status of this document
- 1.5 Document context
- 1.6 Revision history

2 Business Requirement View

- 2.1 Business Domain View
- 2.2 Business Requirement List
- 2.3 Business Partner View
- 2.4 Business Entity View
- 2.5 Business Terms

3 Business Choreography View

- 3.1 Generic TT Use Case
- 3.2 Traceability Use Case (Events)
- 3.3 Business Transaction
- 3.4 Business Process flow
- 3.5 Business Transaction Sequence
- 3.6 Transparency Use Case (Sustainability)
- 3.7 Business Transaction
- 3.8 Business Process Flow
- 3.9 Business Transaction Sequence
- 3.10 Transparency Use Case (Product Circularity)
- 3.11 Business Transaction
- 3.12 Business Process Flow
- 3.13 Business Transaction Sequence

4 Business Information View

- 4.1 Event Data Model (Traceability)
- 4.2 Additional Information Data Model (Transparency)
- 4.3 Product Circularity Data Model

4.3.1 Business Information Entities

- 4.4 Business Document: TT Event Data Message
- 4.5 Business Document: TT Additional Information Data Message
- 4.6 Business Document: Product Circularity Data Message

3.10 Transparency Use Case (Product Circularity)

3.11 Business Transaction

3.12 Business Process Flow

3.13 Business Transaction Sequence

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4.1 Event Data Model (Traceability)

4.2 Additional Information Data Model (Transparency)

4.3 Product Circularity Data Model

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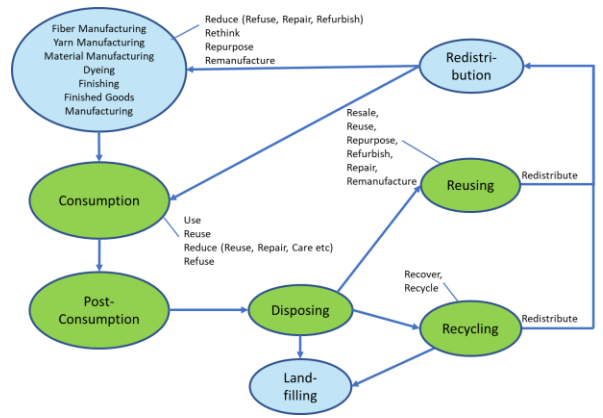
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4.6 Business Document: Product Circularity Data Message

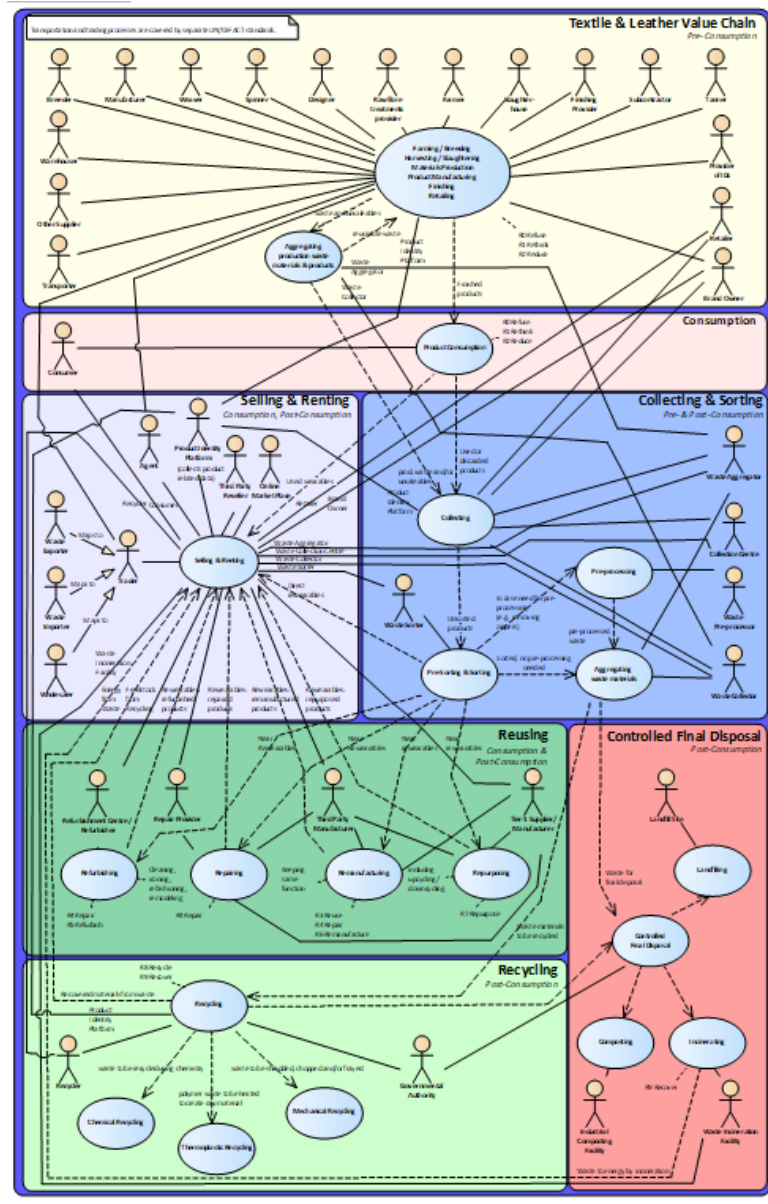
Textile & Leather Circular Economy Business Domain View- Draft

It started like this..



It became

Consumption
Selling & Renting
Reusing
Recycling



Value Chain

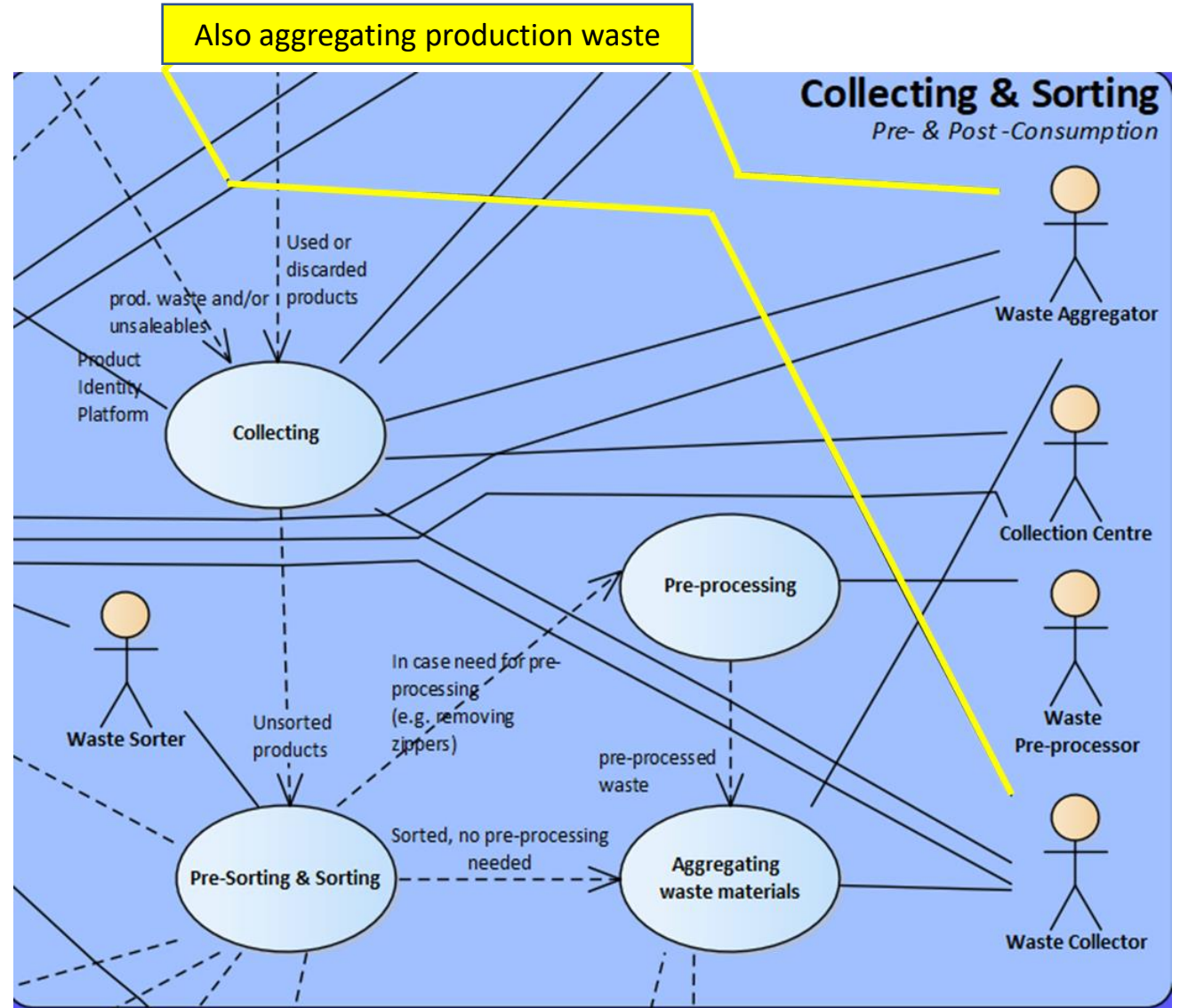
Collecting & Sorting

Controlled Final Disposal

Close-Up Collecting & Sorting - Draft

Also now involved in pre-consumption “Aggregating production waste”:

- Waste Collector
- Waste Aggregator
- **Waste Collector:** A person or a company that is responsible for collecting and transporting waste materials from residential, commercial, and industrial areas to designated facilities for further processing or disposal.
- **Waste Aggregator:** A company or organization that collects waste materials from multiple sources and aggregates them in a centralized location before transporting them to a processing or disposal facility. Waste aggregators typically operate at a larger scale than waste collectors, working across multiple municipalities or even regions to collect waste from a variety of sources.



Examples of Definitions

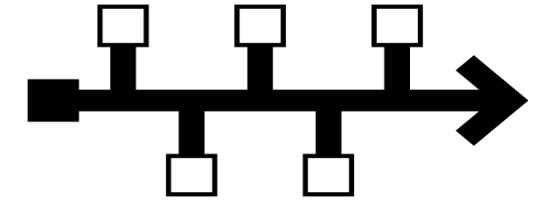
Circularity **actor** definitions

- Waste Exporter	A company who makes, or on whose behalf the export declaration is made, and who is the owner of the waste.
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Circularity **process** definitions

- Landfilling	Landfilling is a method of waste disposal where solid waste is buried in a designated area of land. It involves depositing waste into a landfill site and compacting it to reduce the volume of the waste. The compacted waste is then covered with soil to prevent odors, litter, and the spread of disease, and to control pests.
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Project milestones



To ensure the quality of our outputs we need as much industry input as possible to our process diagrams as well as the definitions of processes & actors

ODP Stage (open Development Process)	Working Period	Maximum Duration
Requirements gathering	01.2023 to 05.2023	4 months
Draft development	05.2023 to 09.2023	4 months
Public Draft Review	09.2023 to 11.2023	2 months
Publication	11.2023 to 02.2024	3 months
Project exit	02.2024 to 05.2024	3 months

Where we are now

CIRCULAR ECONOMY



Product Circularity Data Project

Looking forward to your contributions
and to your participation at our next
meeting on Friday, 26 May 2023 at
14:00 CET!

To join the project, please contact either the secretariat at jwei@un.org or
Virginia Cram-Martos at crammartos@triangularity.net

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- TÜV Rheinland Group, **Rakesh Vazirani**, Head of Sustainability Services

20 minutes of Q&A

Energy & Mines Digital Trust

Third meeting of the Team of Specialists
on ESG Traceability of Sustainable Value
Chains in the Circular Economy

May 9, 2023



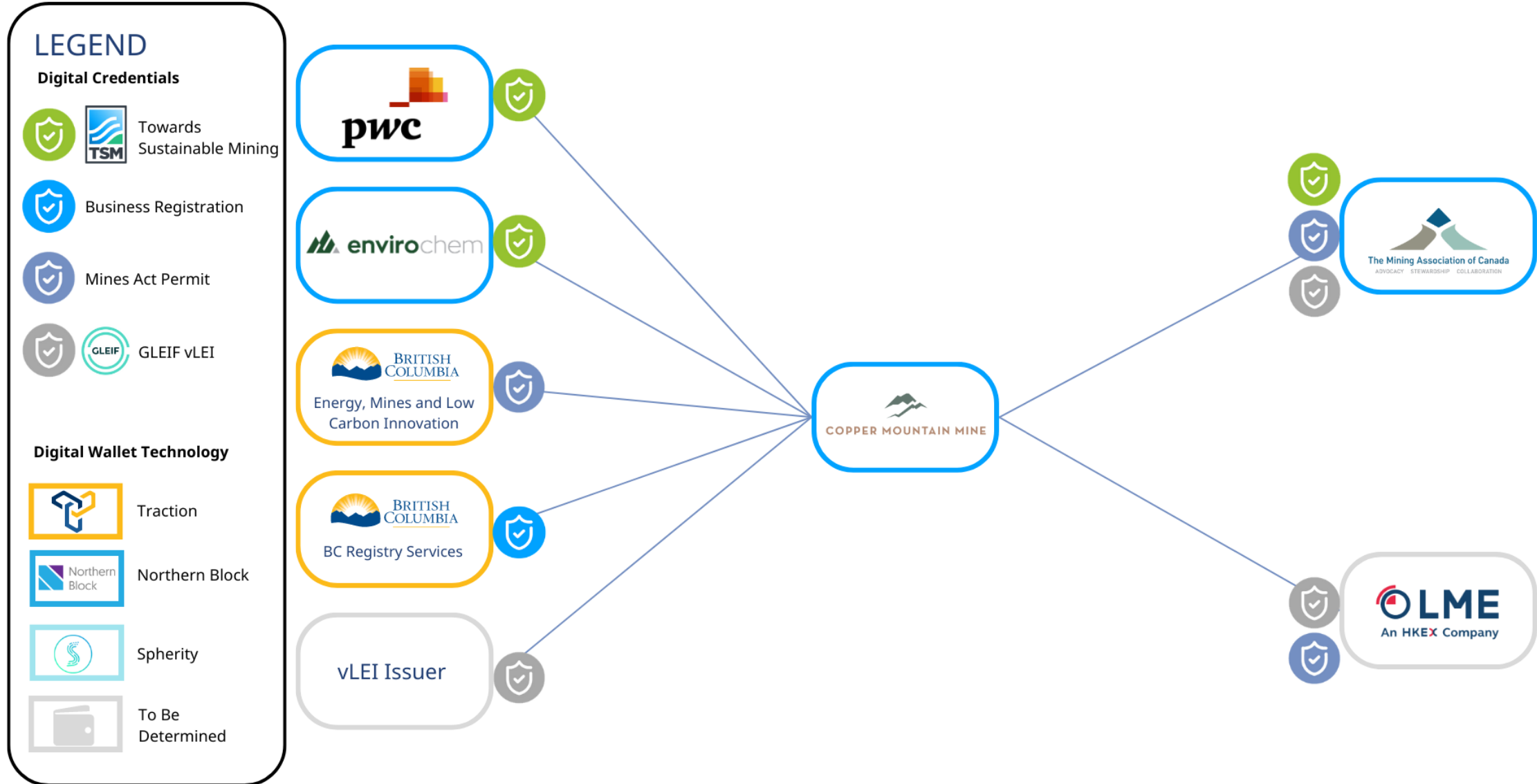
ENERGY & MINES
DIGITAL TRUST



Ministry of
Energy, Mines and
Low Carbon Innovation



Digital Trust Ecosystem: Mining





Use Case Examples: Toward Sustainable Mining

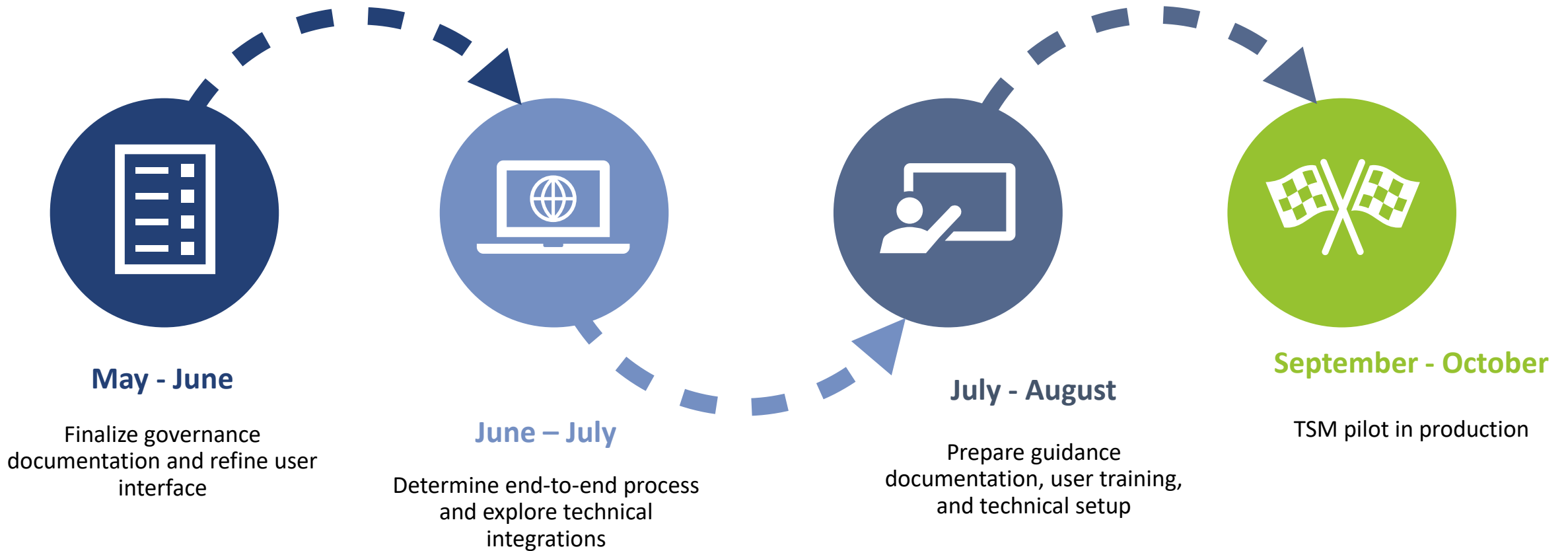


KEY TAKEAWAYS

- Enthusiasm among pilot participants.
- Increasing desire for verified ESG data at the mine site level.
- Reduced administrative burden.
- EMDT's governance work with pilot participants will apply internationally, with a notable potential for wide scale adoption.

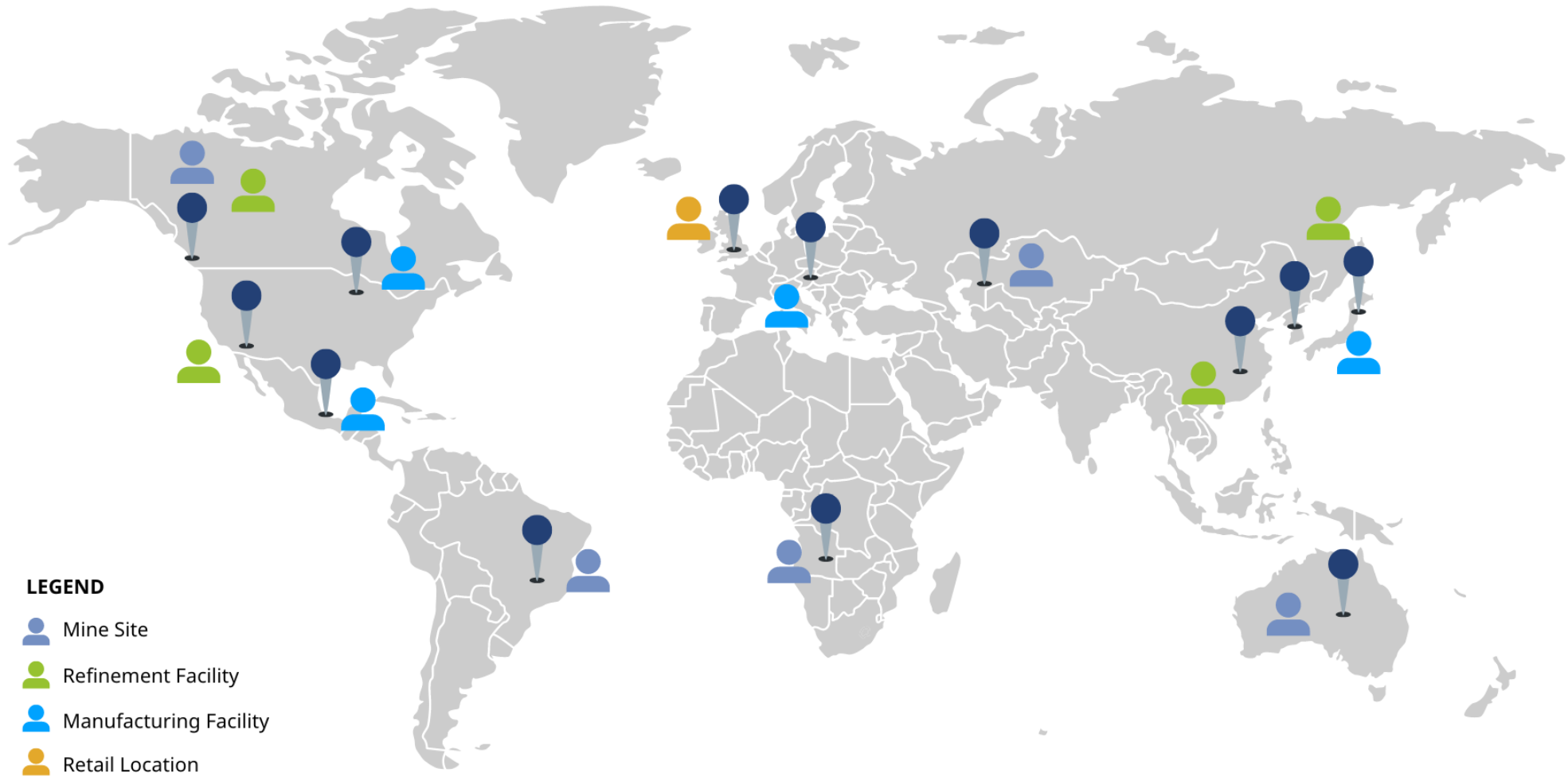


TSM Production Timeline





Critical Mineral Traceability in Production





Nancy Norris

Senior Director of ESG & Digital Trust

Nancy.Norris@gov.bc.ca



Ministry of
Energy, Mines and
Low Carbon Innovation



ENERGY & MINES
DIGITAL TRUST

Explore the
EMDT Case Study



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20 minutes of Q&A



ICS Transparency & Traceability

09/05/2023



Grouping 70 brands and retailers



4 621 Audits

Audits performed in 2022



1 719 569 employees

Audits performed in 2022

2 684 158 employees
Including last audits performed in 2021-2022



70 countries

Audits performed in 2022

ZADIG & VOLTAIRE

ERAM GROUPE

ELECTRO DEPOT

grupo éxito

LA HALLE
c'est vraiment vous

IKKS

ISABEL MARANT

Jacadi
PARIS

3 PAGEN absorba

adeo

Afibel agnès b.

Just Over The Top
JOTT

JULES
la mode à petits prix

La Redoute

LACOSTE

AIGLE
DEPUIS 1853

ASSAI
ATACADISTA
DESDE 1974

Auchan|RETAIL

BEAUMANOIR

Besson
-chaussures-

Lili Gouffette

LOUIS PION

MAISONS
DU MONDE
MEUBLES & DÉCORATION

MGTS

alinea
la maison française

Bizzbee

camaieu

CAROLL
PARIS

Carrefour

CASINO
RENAISSANCE UN MONDE
DE DIVERSITÉ

MONOPRIX

NAF NAF
la grande vente de chaussures

obaïbi

okaïdi

orsay

catimini
PARIS

Cdiscount

CHIPIE

Club Med

Conforama
Le confort pour tous

xybul
qualité et jeux

pimkie

promod
MULTIPLÉ FRANCE

rougegorge
L'AMÉRIQUE

SARENZA

Coopers
OF STORTFORD

cora

cwf

damartex
GROUP

DEVREO 1902

sessùn

SCHNEIDER
CONSUMERS GROUP

soeur
PARIS

SOURCING & CREATION
PRODUCTION

TAO
TAPE À L'OEIL
ORIGINAL 1988

Galeries
Lafayette

GO SPORT

grain & malice

GPA

rosa
GRUPE
CHATELAIN • FRANCHISE • L'UNION

THE KOOPLES
PARIS

tikamoon

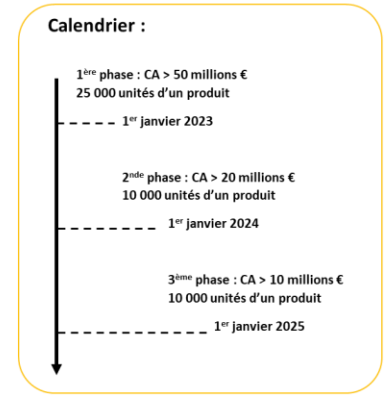
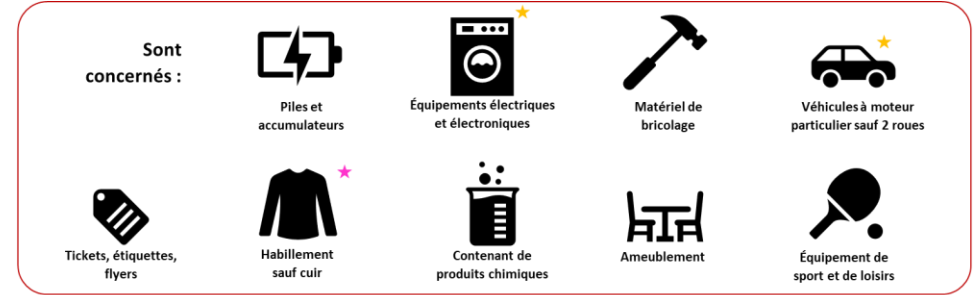
U
La Première
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BELGIUM

Z

- French's AGEC law

https://www.ecologie.gouv.fr/loi-anti-gaspillage-economie-circulaire#scroll-nav__4



- AGEC law's article 13 implements requirements for environmental display and traceability.
- Recyclability, durability, microplastics content, hazardous substances, critical materials content and traceability for specific operations are requested.
- All of this information is to be held available at customer's need during a minimum of 2 years.
- [INSIDE The anti-waste law in the daily lives of the French people \(ecologie.gouv.fr\)](https://www.ecologie.gouv.fr)

- **UNECE T&T Matrix**

United for greater traceability, transparency and circularity in the garment

At the United Nations, we have worked with hundreds of experts, policymakers, businesses, academics and NGOs to create a more sustainable and circular footwear sector. Find out more information on the [Sustainability Pledge website](#).

RA3150 ▼

Supply chain and traceable asset

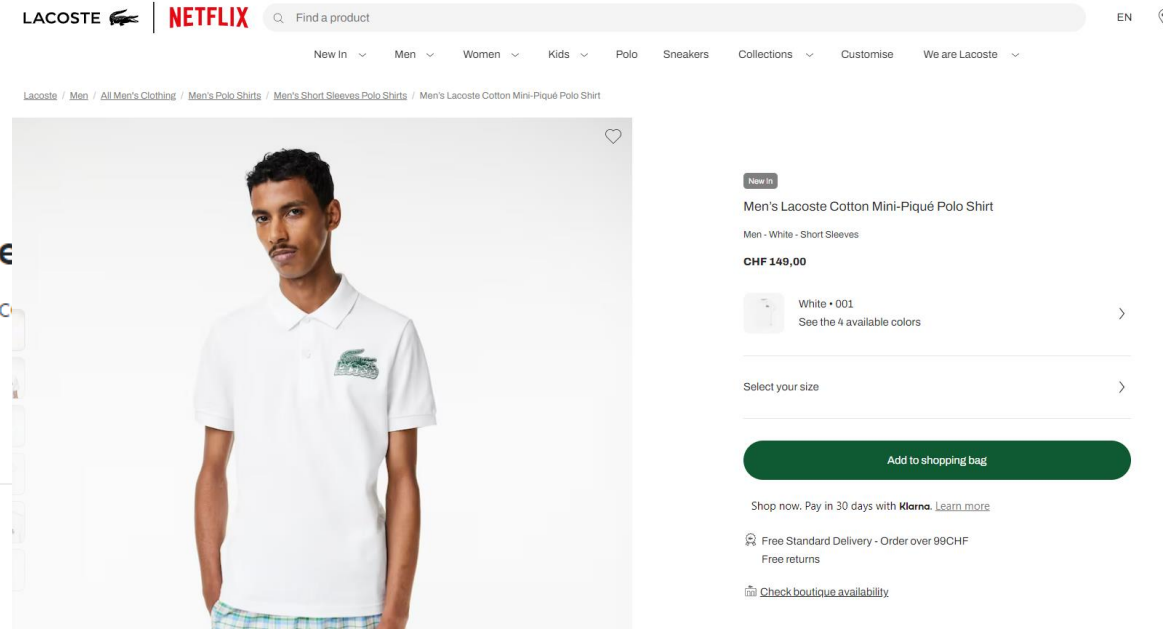
RA3150

Claim

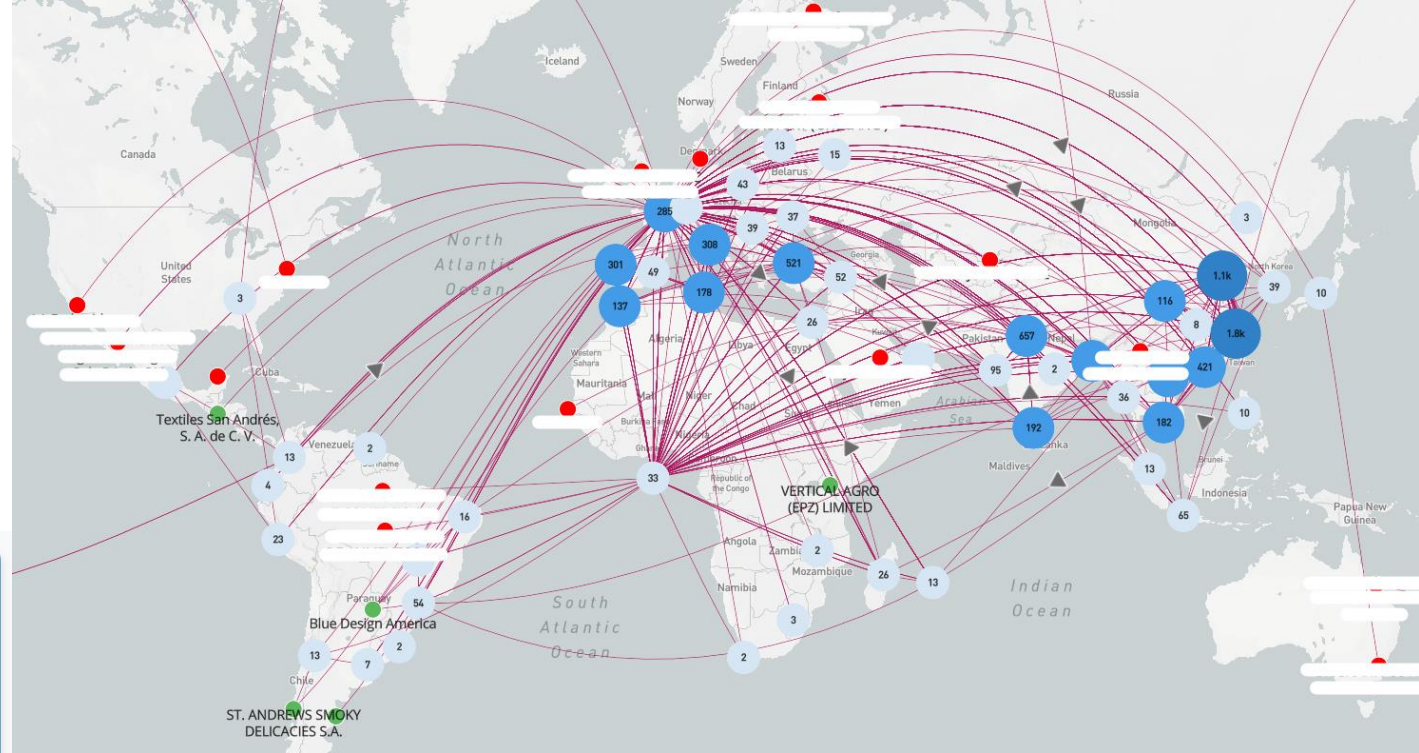
Value Chain Map

Involved companies				HYOSUNG	ALPIN CORAP	GELISIM TEKSTIL / KARACA NAKIS	ALPIN CORAP					
Value chain step	Planting	Harvesting	Production raw material	Spinning	Dyeing	Weaving	Fabric finishing	Product production	Product ennoblement & packaging	Product placement for sale	Consumption	Post-consumption
Sustainability risks covered												
Transparency evidence												
Traceability evidence												

The pilot project was implemented in the context of the ECE-United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) initiative, "Enhancing traceability and transparency of sustainable value chains in the garment and footwear sector", jointly implemented with the International Trade Centre (ITC) with funding from the European Union since 2019. This initiative is also known as "The Sustainability Pledge".



ICS-ITC Traceability Project Updates



Factory Profile / Transparency & Traceability

ITC Public factories	3026
Factory Profiles Completed	3594
Invitations FP sent / Waiting TBC	6951
Subcontractors/Suppliers created from FP	6830

- Tier 2 - Material production factories involved in the project: **3 630**
- Tier 3 - Raw material processing factories involved in the project : **2 238**
- Tier 4 - Raw material extraction factories involved in the project : **538**

Certifications

- Environmental - ISO14001 - 29/07/2022
- Environmental - Oekotex - 31/10/2023
- Product - Better Cotton Initiative (BCI) - 30/11/2023
- Product - Global Organic Textile Standard (GOTS) - 25/09/2023
- Product - Global Recycled Standard (GRS) - 25/09/2023
- Product - Organic Content Standard (OCS) - 25/09/2023
- Product - Recycled Claim Standard (RCS) - 25/09/2023
- Quality - ISO9001 - 29/07/2022
- Social - amfori-BSCI - 11/04/2024
- Social - SEDEX-SMETA - 18/08/2021
- Social - SLCIP - 28/04/2023

ITC | Sustainability Map

ABA Fashions Ltd.

Company Type: Processing & Manufacturing
Company GLN: n/a

Address: 107/1 Gachha, Gaspur City Corporation, Gaspur, Bangladesh.
Country: Bangladesh
City: Gaspur

Contact information
Contact Name: Essin Mahmud
See the email
See the phone number
https://abafashions.com/af/

Company size: 350+ employees
Company Opportunity: Identifying new suppliers, Identifying new leaders or buyers

Welcome to ABA world - green and dreamy. Back in 1992, we envisioned this world with a promise to stand unique upon the global apparel landscape. Promises delivered others in new promises to keep for the days to come. Today, we feature in the world's top fashion outlets. Our horizon is painted with platinum for our friendship with the mother earth. Our machines are equipped with nerves and hands, accelerating our productivity and processing as ahead of time. We are ABA Group - the real-made garments producer aligning the vision with Bangladesh, the most popular country as an apparel manufacturer on the entire planet.

ICS REPORT | GEOLOCATION | PRODUCTION | CERTIFICATION | MEDIA | NETWORKS

Factory data are validated by ICS - Initiative for Compliance and Sustainability. Know more about ICS

Business License: 17982/Gaspur

Purchase Department: Clothing, not knitted or crocheted

Audits:

Audit Type: Re-audit done on 11-01-2022

Audit Category: Social complete audit

Announcement Type: Semi announced



Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

10.00-11.00

ITEM 1: WHERE ARE WE NOW ON ESG TRACEABILITY?

Moderator: Vice-Chair of the ToS, **Harm Jan van Burg**, Senior Policy Advisor on International Standards, OASIS

Panellists:

- British Columbia Ministry of Energy, Mines and Low Carbon Innovation, **Nancy Norris**, Senior Director - ESG & Digital Trust
- Initiative for Compliance and Sustainability, **Carole Hommey**, General Manager
- International Trade Centre, **Grzegorz Tajchman**, IT Solutions Manager
- TÜV Rheinland Group, **Rakesh Vazirani**, Head of Sustainability Services

20 minutes of Q&A

Working with Partners' data when visualizing UNECE sustainability matrix

**UNECE Team of Specialists on ESG
Traceability of Sustainable Value Chains in the
Circular Economy**

Grzegorz Tajchman, Chris Khou (ITC)
9th May 2023

Some context (ITC/ICS/UNECE collaboration)...

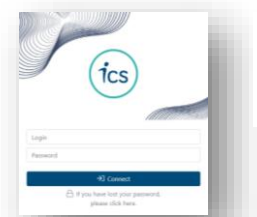
Supply Chain Mapping



- **Who** (VC partner, business role, from/to)
 - **Where** (location)
 - **Why** (business step)
 - **Origin**
 - **Social Performance**
 - **Environmental / production impacts**
- **How** (traceability events and evidence, sustainability standards coverage)
 - **Fibers/materials used**
 - **Use of chemicals**
 - ...

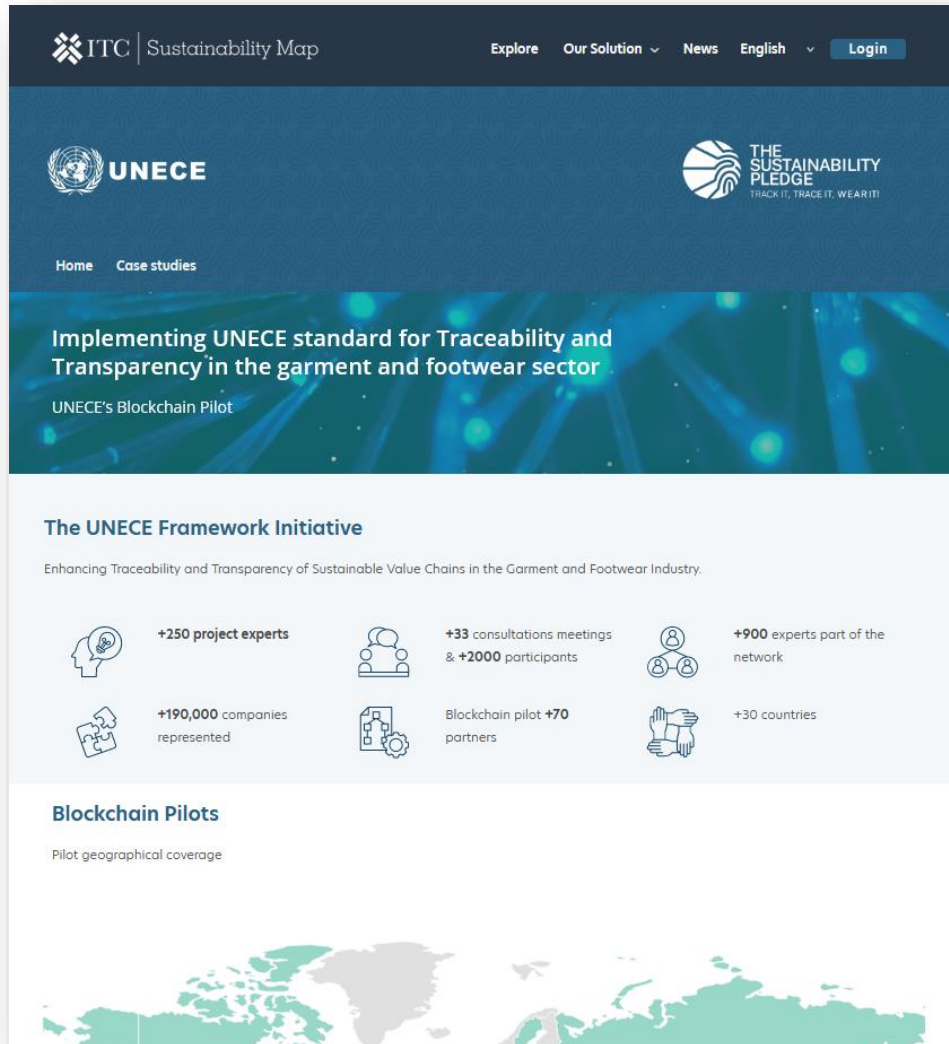


Product Traceability Standard

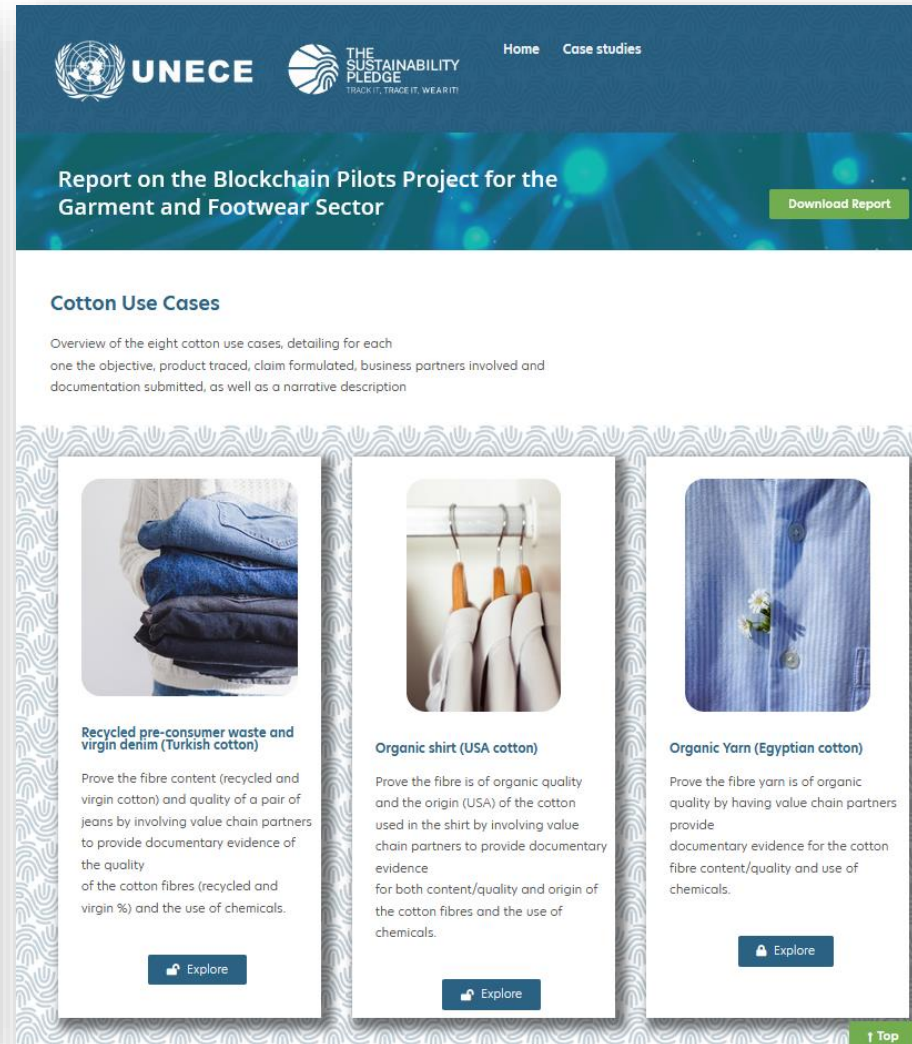


Landing page and case studies overview

<https://resources.sustainabilitymap.org/unece-homepage/>



The screenshot shows the homepage of the ITC Sustainability Map UNECE. The header includes the ITC Sustainability Map logo, navigation links for Explore, Our Solution, News, English, and a Login button. The main content area features the UNECE logo and 'THE SUSTAINABILITY PLEDGE' with the tagline 'TRACK IT, TRACE IT, WEAR IT!'. Below this is a navigation bar with 'Home' and 'Case studies'. The main headline reads 'Implementing UNECE standard for Traceability and Transparency in the garment and footwear sector' with a sub-headline 'UNECE's Blockchain Pilot'. A section titled 'The UNECE Framework Initiative' describes the goal of enhancing traceability and transparency in the garment and footwear industry. It lists key statistics: +250 project experts, +33 consultations meetings & +2000 participants, +900 experts part of the network, +190,000 companies represented, Blockchain pilot +70 partners, and +30 countries. A 'Blockchain Pilots' section mentions 'Pilot geographical coverage' and includes a world map.



The screenshot shows a report page titled 'Report on the Blockchain Pilots Project for the Garment and Footwear Sector'. The header includes the UNECE logo and 'THE SUSTAINABILITY PLEDGE' with the tagline 'TRACK IT, TRACE IT, WEAR IT!'. Navigation links for Home and Case studies are present. A 'Download Report' button is visible. The main content area is titled 'Cotton Use Cases' and provides an overview of eight cotton use cases, detailing for each one the objective, product traced, claim formulated, business partners involved and documentation submitted, as well as a narrative description. Three case studies are highlighted with images and brief descriptions:

- Recycled pre-consumer waste and virgin denim (Turkish cotton):** Prove the fibre content (recycled and virgin cotton) and quality of a pair of jeans by involving value chain partners to provide documentary evidence of the quality of the cotton fibres (recycled and virgin %) and the use of chemicals.
- Organic shirt (USA cotton):** Prove the fibre is of organic quality and the origin (USA) of the cotton used in the shirt by involving value chain partners to provide documentary evidence for both content/quality and origin of the cotton fibres and the use of chemicals.
- Organic Yarn (Egyptian cotton):** Prove the fibre yarn is of organic quality by having value chain partners provide documentary evidence for the cotton fibre content/quality and use of chemicals.

Each case study includes an 'Explore' button. A 'Top' button is located at the bottom right of the page.

Case study example (UN ECE pilot)

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

At the United Nations, we have worked with hundreds of experts, policymakers, businesses, academics and NGOs to come up with a workable and verifiable way of ensuring sustainability in the garment and footwear sector. Find out more information on the [Sustainability Pledge website](#).

Supply chain and traceable asset

Vivienne Westwood: Denim Jeans



Claim

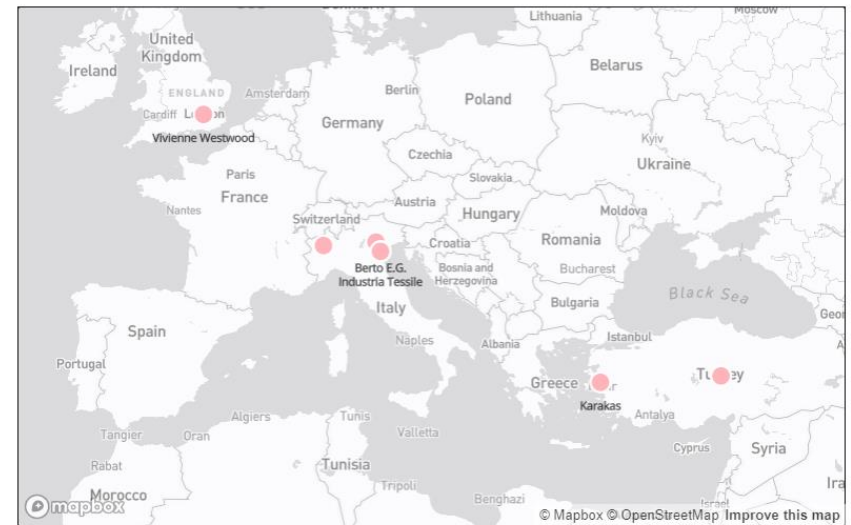
The fabric of this pair of jeans is made of 65% recycled cotton yarn coming from the pre-consumer waste of our Italian fabric supplier and 35% virgin cotton sourced from Turkey. From the yarn up to the finishing of the denim material the processing steps avoid the use of chemicals harmful for health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

Value Chain Map

Involved companies			1. - Marchi & Fildi S.p.a. (103788405 - 103788908 - 104064705 - 104039902 - 103789000 - CENTAURUS)	1. - Berto E.G. Industria Tessile (Virgin cotton fiber 35% + cascami filotto 65%)	1. - Berto E.G. Industria Tessile (Virgin cotton fiber 35% + cascami filotto 65%)	1. - Berto E.G. Industria Tessile (Virgin cotton fiber 35% + cascami filotto 65%)	1. - Denim Service (K459 00011.PIANETA 115GR.52114200 Foid. 2104731. COMPOSIZIONE 100% CO)	1. - Denim Service (28020026-11666-28020026-11666- DE CLASSIC TAPERED JEANS variante K401 INDIGO codice tessuto: 11666)	1. - Vivienne Westwood (28020026-11666-28020026-11666- DE CLASSIC TAPERED JEANS variante K401 INDIGO codice tessuto: 11666)			
Value chain step	Planting	Harvesting	Production raw material	Spinning	Dyeing	Weaving	Fabric finishing	Product production	Product ennoblement & packaging	Product placement for sale	Consumption	Post-consumption
Sustainability risks covered			Human rights Labour rights Solid waste Water pollution Hazardous chemicals Energy consumption GHG Emissions Pesticides / Insecticides Energy consumption GHG Emissions Pesticides / Insecticides Air pollution Water pollution Human rights Energy Consumption	Labour rights Hazardous chemicals Energy consumption GHG Emissions Pesticides / Insecticides Solid waste Air pollution Water pollution Human rights Energy Consumption	Labour rights Hazardous chemicals Energy consumption GHG Emissions Pesticides / Insecticides Solid waste Air pollution Water pollution Human rights Energy Consumption	Labour rights Hazardous chemicals Energy consumption GHG Emissions Pesticides / Insecticides Solid waste Air pollution Water pollution Human rights Energy Consumption	Human rights Labour rights Solid waste	Human rights Labour rights Solid waste				
Transparency evidence												
Traceability evidence			Shipping note	Delivery note	Shipping note	Shipping note	Shipping note	Shipping note	Shipping note	Shipping note		

The pilot project was implemented in the context of the ECE-United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) initiative, "Enhancing traceability and transparency of sustainable value chains in the garment and footwear sector", jointly implemented with the International Trade Centre (ITC) with funding from the European Union since 2019. This initiative is also known as "The Sustainability Pledge".

Value Chain Map



Case study example (ICS)



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

At the United Nations, we have worked with hundreds of experts, policymakers, businesses, academics and NGOs to come up with a workable and verifiable way of ensuring sustainability in the garment and footwear sector. Find out more information on the [Sustainability.Pledge website](#).

Women's Stretch Cotton Piqué ...

Supply chain and traceable asset








Women's Stretch Cotton Piqué Polo Dress
(See product details)



Claim

97.0% Cotton, 3.0% Polyamide.

Value Chain Map

Involvement	1 - FIOFIBRA, COMPANHIA PRODUTORA DE FIBRAS SINTÉTICAS, LDA	1 - UÇAK TEKSTİL TURİZM İTHİHR. SAN. VE TİC. A.Ş.	1 - MUNDIPIOS COMERCIO DE FIOS SA	1 - EMPRESA TEXTIL MAGANHA SA	1 - TECELAGEM JORGE & HELENA LDA	1 - LUIS AZEVEDO & FILHOS SA	1 - Lacoste					
Value chain step	Planting	Harvesting	Production raw material	Spinning	Dyeing	Weaving	Fabric finishing	Product production	Product ennoblement & packaging	Product placement for sale	Consumption	Post-consumption
Sustainability risks covered												
Transparency evidence												
Traceability evidence												

The pilot project was implemented in the context of the ECE-United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) initiative, "Enhancing traceability and transparency of sustainable value chains in the garment and footwear sector", jointly implemented with the International Trade Centre (ITC) with funding from the European Union since 2019. This initiative is also known as "The Sustainability Pledge".





Stay connected!

- www.intracen.org
- @ITCnews
- @ITC_sustainable
- @InternationalTradeCentre



Working with Partners' data when visualizing UNECE sustainability matrix



Q&A / Backup slides

Working with Partner's data #1

REF	COMPANY	ADDRESS	CITY	COUNTRY	INDUSTRY	PRODUCT	CONTACT	STATUS	...
...	ALPİN CORAP	...	TURKEY	...	...	...	...	...	...
...	GELİSİM TEKSTİL / KARACAK	...	TURKEY	...	...	...	...	...	...
...	ALOHA TEKSTİL	...	TURKEY	...	...	...	...	...	...
...	ERDEM TEKSTİL	...	TURKEY	...	...	...	...	...	...
...	HYOSUNG	...	TURKEY	...	...	...	...	...	...
...	EUROTEX	...	TURKEY	...	...	...	...	...	...
...	HYOSUNG	...	TURKEY	...	...	...	...	...	...
...	GUNOZ TEKSTİL	...	TURKEY	...	...	...	...	...	...
...	MONTICOLOR	...	ITALY	...	...	...	...	...	...
...	ALMER TEKSTİL	...	TURKEY	...	...	...	...	...	...
...	APPAREL MILLS	...	MOROCCO	...	...	...	...	...	...
...	LA CHEVECHE	...	MOROCCO	...	...	...	...	...	...
...	FTSI	...	Maroc	...	...	...	...	...	...
...	GÜLLE TEKSTİL	...	İSTANBUL/TURKEY	...	...	...	...	...	...
...	ASTER	...	TURKEY	...	...	...	...	...	...
...	GÜLLE	...	İSTANBUL/TURKEY	...	...	...	...	...	...
...	GÜLLE TEKSTİL	...	TEKİRDAĞ/TURKEY	...	...	...	...	...	...
...	ARTESA	...	TEKİRDAĞ/TURKEY	...	...	...	...	...	...
...	YES	...	TURKEY	...	...	...	...	...	...
...	ARTESA	...	TEKİRDAĞ/ TURKEY	...	...	...	...	...	...
...	KUCUKCALIK	...	TURKEY	...	...	...	...	...	...
...	CREORA	...	TURKEY	...	...	...	...	...	...
...	USLUCAN	...	İSTANBUL/TURKEY	...	...	...	...	...	...
...	EREN TEKSTİL	...	TEKİRDAĞ/TURKEY	...	...	...	...	...	...
...	BIRAY	...	İSTANBUL/TURKEY	...	...	...	...	...	...
...	BIRAY	...	İSTANBUL/TURKİRA2741	...	Product production	...	...	...	...
...	GÜLLE TEKSTİL	...	RA2741	...	Fabric finishing	(Silkscreen printing/	...	...	ALPİN CORAP
...	GULCEK TEKSTİL	...	TEKİRDAĞ/TURK RA2741	...	Fabric finishing	(Garment finishing)	...	...	GELİSİM TEKSTİL / KARACA NAKİS
...	GULCEK TEKSTİL	...	TEKİRDAĞ/TURK RA2741	...	Weaving	...	...	...	ALPİN CORAP
...	GULCEK	...	TEKİRDAĞ/TURK RA2741	...	Dyeing	...	...	...	ALOHA TEKSTİL
...	UÇAK TEKSTİL	...	İZMİR/TURKEY	...	Spinning	(Cotton)	...	...	ERDEM TEKSTİL
...	UÇAK TEKSTİL	...	RA2741	...	Spinning	(Elastane)	...	...	HYOSUNG
...	MEM	...	KAHRAMANMAR	...	Spinning	(Polyamide)	...	...	EUROTEX
...	ALPİN CORAP	...	RA3150	...	Product production	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA3150	...	Fabric finishing	(Silkscreen printing/	...	...	GELİSİM TEKSTİL / KARACA NAKİS
...	ALPİN CORAP	...	RA3150	...	Fabric finishing	(Garment finishing)	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA3150	...	Weaving	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA3150	...	Dyeing	...	...	...	HYOSUNG
...	ALPİN CORAP	...	RA3150	...	Spinning	(Elastane)	...	...	HYOSUNG
...	ALPİN CORAP	...	RA3150	...	Spinning	(Polyamide)	...	...	EUROTEX
...	ALPİN CORAP	...	RA7325	...	Product production	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7325	...	Fabric finishing	(Silkscreen printing/	...	...	GELİSİM TEKSTİL / KARACA NAKİS
...	ALPİN CORAP	...	RA7325	...	Fabric finishing	(Garment finishing)	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7325	...	Weaving	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7325	...	Dyeing	...	...	...	ALOHA TEKSTİL
...	ALPİN CORAP	...	RA7325	...	Spinning	(Cotton)	...	...	ERDEM TEKSTİL
...	ALPİN CORAP	...	RA7325	...	Spinning	(Elastane)	...	...	HYOSUNG
...	ALPİN CORAP	...	RA7325	...	Spinning	(Polyamide)	...	...	EUROTEX
...	ALPİN CORAP	...	RA7330	...	Product production	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7330	...	Fabric finishing	(Silkscreen printing/	...	...	GELİSİM TEKSTİL / KARACA NAKİS
...	ALPİN CORAP	...	RA7330	...	Fabric finishing	(Garment finishing)	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7330	...	Weaving	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RA7330	...	Dyeing	...	...	...	ALOHA TEKSTİL
...	ALPİN CORAP	...	RA7330	...	Spinning	(Cotton)	...	...	ERDEM TEKSTİL
...	ALPİN CORAP	...	RA7330	...	Spinning	(Elastane)	...	...	HYOSUNG
...	ALPİN CORAP	...	RA7330	...	Spinning	(Polyamide)	...	...	EUROTEX
...	ALPİN CORAP	...	RL3173	...	Product production	...	...	...	ALPİN CORAP
...	ALPİN CORAP	...	RL3173	...	Fabric finishing	(Silkscreen printing/	...	...	GELİSİM TEKSTİL / KARACA NAKİS









```

61 // From line 3 to 103 (taking the first 100)
62 for (let index = 3; index < 103; index++) {
63
64 // for each entry of the map we check if the cell is not empty
65 mapVC.forEach(value, key) => {
66   if (getcell(key + index) != "") {
67     console.log(key + index + " " + value + " " + getcell(key + index))
68   }
69
70 // if na we don't add it to the array
71 if(["NA", "N/A", ""].indexOf(getcell(key + index)) > -1 ) {
72   return;
73 }
74
75 arrayVC.push([ getcell("B" + index), value[0] , value[1] , getcell(key + index) ])
76 companies.push([ getcell(key + index), getcell( mapVCountries.get(key) + index)])
77
78 });
79
80 // Remove duplicates
81 companies = [...new Set(companies.map(JSON.stringify))].map(JSON.parse);
82
83 // For each company we call the API to get the address
84 > async function getGeo(companies) { ...
85 }
86
87 getGeo(companies)
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110

```

COMPANY	COUNTRY	COORDINATES	INDUSTRY	PRODUCT	CONTACT
ALPİN CORAP	TURKEY	41.003048 28.66257			
GELİSİM TEKSTİL / KARACAK	TURKEY	41.0003866 28.66717			
ALOHA TEKSTİL	TURKEY	41.2513274 27.87876			
ERDEM TEKSTİL	TURKEY	38.963745 35.24332			
HYOSUNG					
EUROTEX					
HYOSUNG	TURKEY	38.963745 35.24332			
GUNOZ TEKSTİL	TURKEY	41.2204074 27.87508			
MONTICOLOR	ITALY	45.4476838 10.21488			
ALMER TEKSTİL	TURKEY	38.751114 35.36871			
APPAREL MILLS	MOROCCO	31.791702 -7.09262			
LA CHEVECHE	MOROCCO	31.791702 -7.09262			
FTSI	Maroc	31.791702 -7.09262			
GÜLLE TEKSTİL	İSTANBUL/TURKEY	40.9872813 28.69642			
ASTER	TURKEY	38.963745 35.24332			
GÜLLE	İSTANBUL/TURKEY	41.0082376 28.97836			
GÜLLE TEKSTİL	TEKİRDAĞ/TURKEY	41.220966 27.72455			
ARTESA	TEKİRDAĞ/TURKEY	41.3028601 27.96545			
YES	TURKEY	38.963745 35.24332			
ARTESA	TEKİRDAĞ/ TURKEY	41.3028601 27.96545			
KUCUKCALIK		40.0919204 29.50281			
CREORA		11.1263769 77.32917			
USLUCAN	İSTANBUL/TURKEY	41.0260973 28.81891			
EREN TEKSTİL	TEKİRDAĞ/TURKEY	41.2234899 27.72117			
BIRAY	İSTANBUL/TURKEY	40.9997328 28.66207			
BIRAY	İSTANBUL/TURKİRA2741		Product production		
GÜLLE TEKSTİL	RA2741		Fabric finishing	(Silkscreen printing/	ALPİN CORAP
GULCEK TEKSTİL	TEKİRDAĞ/TURK RA2741		Fabric finishing	(Garment finishing)	GELİSİM TEKSTİL / KARACA NAKİS
GULCEK TEKSTİL	TEKİRDAĞ/TURK RA2741		Weaving		ALPİN CORAP
GULCEK	TEKİRDAĞ/TURK RA2741		Dyeing		ALOHA TEKSTİL
UÇAK TEKSTİL	İZMİR/TURKEY	RA2741	Spinning	(Cotton)	ERDEM TEKSTİL
UÇAK TEKSTİL	RA2741		Spinning	(Elastane)	HYOSUNG
MEM	KAHRAMANMAR	RA2741	Spinning	(Polyamide)	EUROTEX
ALPİN CORAP	RA3150		Product production		ALPİN CORAP
ALPİN CORAP	RA3150		Fabric finishing	(Silkscreen printing/	GELİSİM TEKSTİL / KARACA NAKİS
ALPİN CORAP	RA3150		Fabric finishing	(Garment finishing)	ALPİN CORAP
ALPİN CORAP	RA3150		Weaving		ALPİN CORAP
ALPİN CORAP	RA3150		Dyeing		HYOSUNG
ALPİN CORAP	RA3150		Spinning	(Elastane)	HYOSUNG
ALPİN CORAP	RA3150		Spinning	(Polyamide)	EUROTEX
ALPİN CORAP	RA7325		Product production		ALPİN CORAP
ALPİN CORAP	RA7325		Fabric finishing	(Silkscreen printing/	GELİSİM TEKSTİL / KARACA NAKİS
ALPİN CORAP	RA7325		Fabric finishing	(Garment finishing)	ALPİN CORAP
ALPİN CORAP	RA7325		Weaving		ALPİN CORAP
ALPİN CORAP	RA7325		Dyeing		ALOHA TEKSTİL
ALPİN CORAP	RA7325		Spinning	(Cotton)	ERDEM TEKSTİL
ALPİN CORAP	RA7325		Spinning	(Elastane)	HYOSUNG
ALPİN CORAP	RA7325		Spinning	(Polyamide)	EUROTEX
ALPİN CORAP	RA7330		Product production		ALPİN CORAP
ALPİN CORAP	RA7330		Fabric finishing	(Silkscreen printing/	GELİSİM TEKSTİL / KARACA NAKİS
ALPİN CORAP	RA7330		Fabric finishing	(Garment finishing)	ALPİN CORAP
ALPİN CORAP	RA7330		Weaving		ALPİN CORAP
ALPİN CORAP	RA7330		Dyeing		ALOHA TEKSTİL
ALPİN CORAP	RA7330		Spinning	(Cotton)	ERDEM TEKSTİL
ALPİN CORAP	RA7330		Spinning	(Elastane)	HYOSUNG
ALPİN CORAP	RA7330		Spinning	(Polyamide)	EUROTEX
ALPİN CORAP	RL3173		Product production		ALPİN CORAP
ALPİN CORAP	RL3173		Fabric finishing	(Silkscreen printing/	GELİSİM TEKSTİL / KARACA NAKİS

Working with Partner's data #2

product_name	claim	asset_url	product_logo	value_chain_type	product_level_certificate
RA2741	76 cotton / 22 polyamide / 2 elastane			Textile	
RA3150	97 POLYAMIDE / 3 ELASTANE			Textile	
RA7325	84% COTTON 14% POLYAMIDE 2% ELASTANE			Textile	
RA7330	92% COTTON 7% POLYAMIDE 1% ELASTANE			Textile	
RL3173	65.0% COTTON, 28.0% POLYAMIDE, 7.0% ELASTANE			Textile	
RA8005	all over design 95% Cotton 34% Polyamide 1% Elastane 0%0% design 70% COTTON / 28% POLYAMIDE / 1% ELASTANE	https://www.lacoste.com/ua/lacoste-kids-fabric-look/processors/fabric-processor-print-sock-three-pack-BAMB05-212000		Textile	SCPS TE GPS
RA2089	85% COTTON 14% POLYAMIDE 1% ELASTANE	https://www.lacoste.com/ua/lacoste-kids/tees-annual-sale-2020-a-sport-printed-oversize-tee-out-cotton-look/BAMB05-212000		Textile	
RA3140	97 POLYAMIDE / 3 ELASTANE			Textile	
Add...	87% COTTON 12% POLYAMIDE	https://www.lacoste.com/ua/lacoste-men/clothing/tees/tees-annual-sale-2020-a-sport-printed-oversize-tee-out-cotton-look/BAMB05-212000		Textile	

step_number	product	step_textile_vc	sub-product	suppliers
1	6H9844	Product production		APPAREL MILLS
2	6H9844	Fabric finishing	(Silkscreen printing/Embroidery)	LA CHEVECHE
3	6H9844	Fabric finishing	(Fabric Dyeing/finishing)	APPAREL MILLS
4	6H9844	Weaving		APPAREL MILLS
5	6H9844	Spinning	(Cotton)	FTSI
6	6H9844	Spinning	(Elastane)	HYOSUNG
7	BH6181	Spinning	(Elastane)	RAYON TEXTILE
8	BH6181	Spinning	(Polyamide)	FULGAR
9	BH6181	Product production		RAYON TEXTILE
10	BH6181	Fabric finishing	(Garment finishing)	BARCO
11	BH6181	Fabric finishing	(Fabric Dyeing/finishing)	RAYON TEXTILE
12	BH6181	Weaving		RAYON TEXTILE
13	CF1541	Product production		GULLE TEKSTİL
14	CF1541	Fabric finishing	(Garment finishing)	ASTER
15	CF1541	Fabric finishing	(Fabric Dyeing/finishing)	GULLE TEKSTİL
16	CF1541	Weaving		GULLE
17	CF1541	Spinning	(Cotton)	GULLE TEKSTİL
18	DF0810	Fabric finishing	(Fabric Dyeing/finishing)	ARTESA
19	DF0810	Weaving		ARTESA
20	DF0810	Spinning	(Polyester)	KUCUKCALIK
21	DF0810	Product production		ARTESA
22	DF0810	Spinning	(Elastane)	CREORA
23	DF0810	Fabric finishing	(Silkscreen printing/Embroidery)	YES

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

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Women's Stretch Cotton Piqué ...






Supply chain and traceable asset

Women's Stretch Cotton Piqué Polo Dress
(See product details)

Claim

97.0% Cotton, 3.0% Polyamide.

Value Chain Map

Involved companies	1.- FIOFIBRA COMPANHIA PRODUTORA DE FIBRAS SINTETICAS LDA	1.- UÇAK TEKSTİL TURİZM İTHİRAŞ, SAN. VE TİC. A.Ş.	1.- MUNDIÇOS COMERCIO DE FIOS SA	1.- EMPRESA TEXTIL MAGANHA SA	1.- TECELAGEM JORGE & HELENA LDA	1.- LUIS AZEVEDO & FILHOS SA	1.- Lacoste					
Value chain step	Planting	Harvesting	Production raw material	Spinning	Dyeing	Weaving	Fabric finishing	Product production	Product ennoblement & packaging	Product placement for sale	Consumption	Post-consumption
Sustainability risks covered												
Transparency evidence												
Traceability evidence												

The pilot project was implemented in the context of the ECE-United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) initiative, "Enhancing traceability and transparency of sustainable value chains in the garment and footwear sector", jointly implemented with the International Trade Centre (ITC) with funding from the European Union since 2019. This initiative is also known as "The Sustainability Pledge".

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

10.00-11.00

ITEM 1: WHERE ARE WE NOW ON ESG TRACEABILITY?

Moderator: Vice-Chair of the ToS, **Harm Jan van Burg**, Senior Policy Advisor on International Standards, OASIS

Panellists:

- British Columbia Ministry of Energy, Mines and Low Carbon Innovation, **Nancy Norris**, Senior Director - ESG & Digital Trust
- Initiative for Compliance and Sustainability, **Carole Hommey**, General Manager
- International Trade Centre, **Grzegorz Tajchman**, IT Solutions Manager
- TÜV Rheinland Group, **Rakesh Vazirani**, Head of Sustainability Services

20 minutes of Q&A

Spine of a Sustainable Supply Chain > Traceability

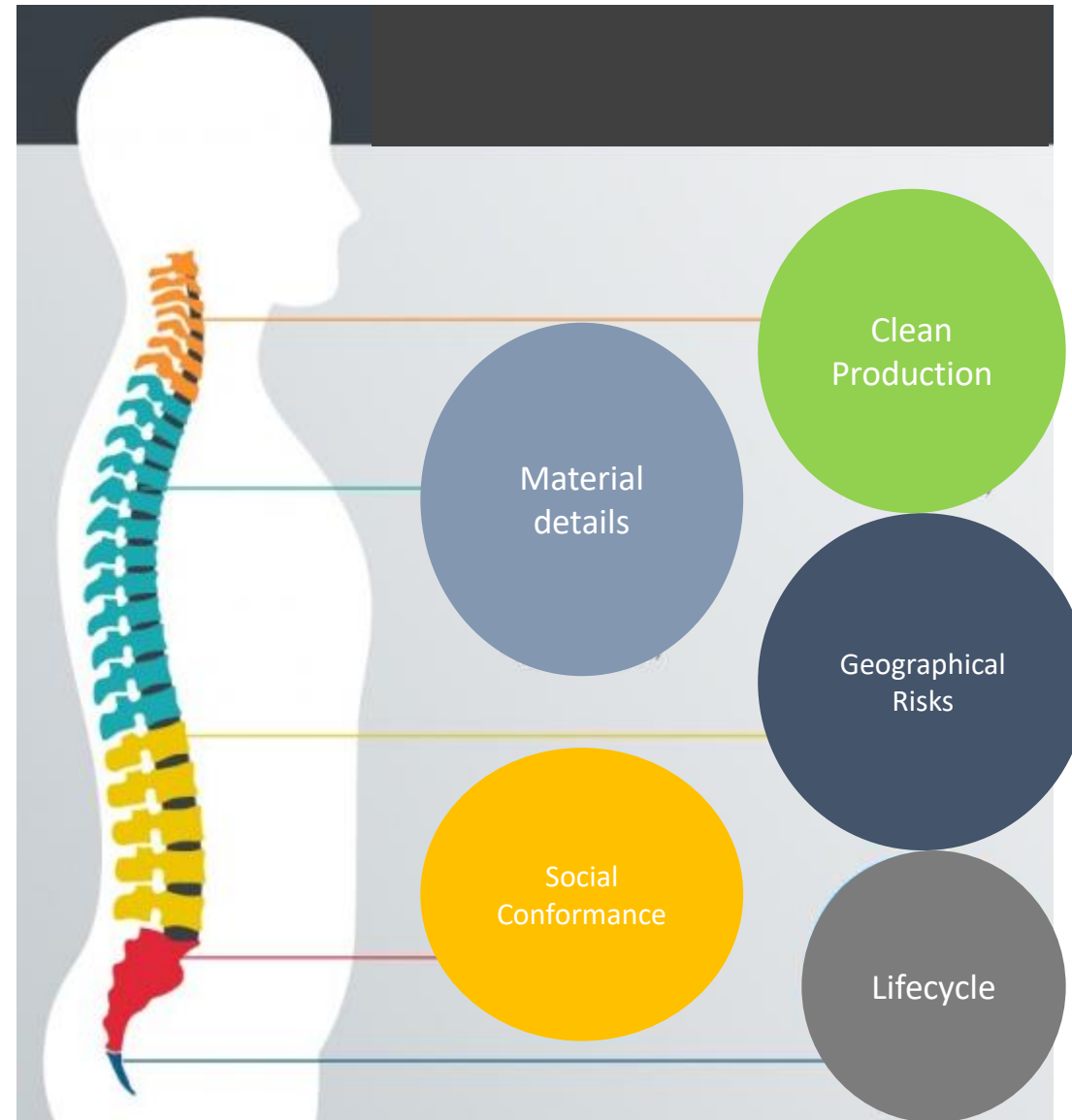


Image Source : Freepik

Do you know...

how many EU legislations on sustainability will impact the textile and clothing companies?

16

 Ecodesign and Digital Product Passport	 Extended Producer Responsibility (EPR)	 Waste Shipment	 Green Claims and textile labelling
 Green Public Procurement (GPP)	 Waste Legislation	 Corporate Sustainability Due Diligence	 Corporate Sustainability Reporting Directive
 Industrial Emissions	 Sustainable Finance (Taxonomy)	 Microplastic	 PFAS Restriction
 Skin Sensitisers	 Bisphenol	 REACH Revision	 PFHxA Restriction

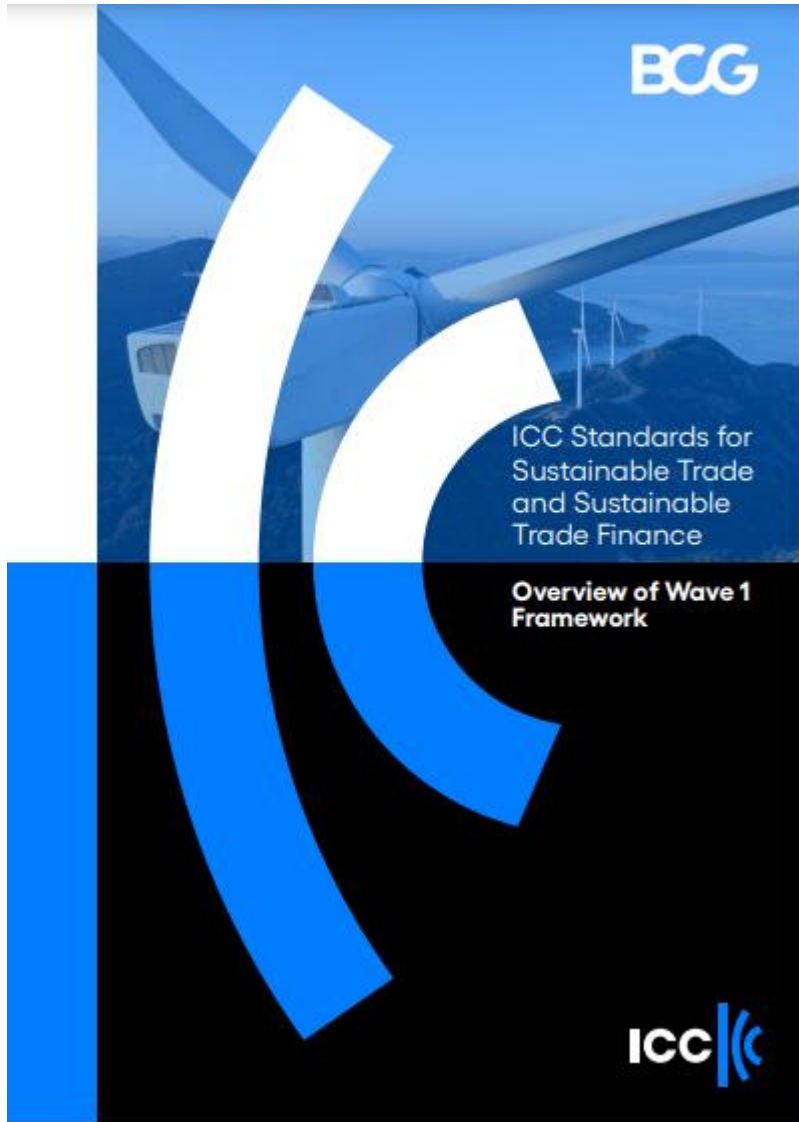
Our Global Value Chain



FRAGMENTED, DIVERSE, COMPLEX !!

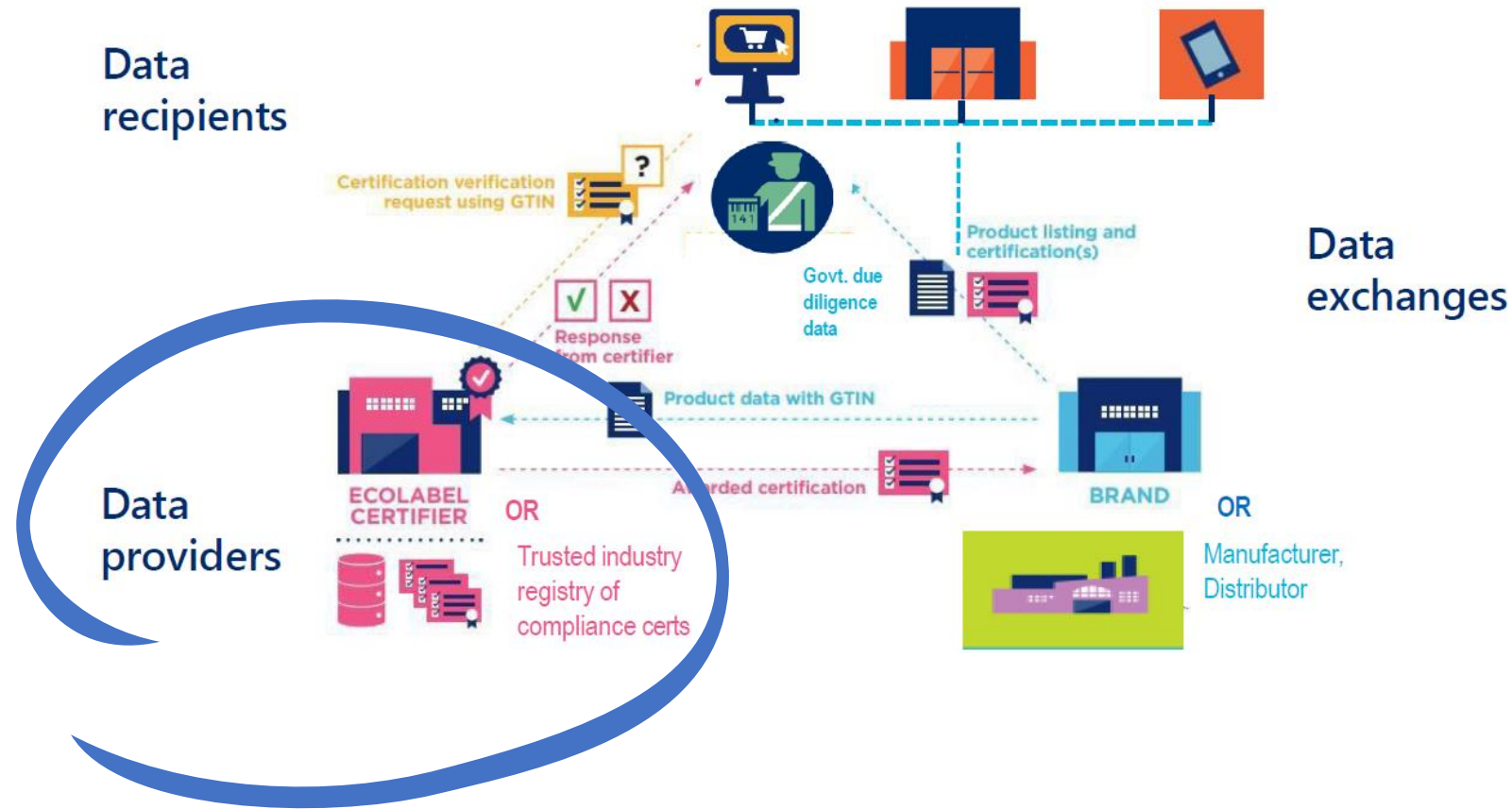
*created by Matt
Thurston, REI, with
further modifications
from OIA*

Sustainable Trade & Sustainable Trade Finance

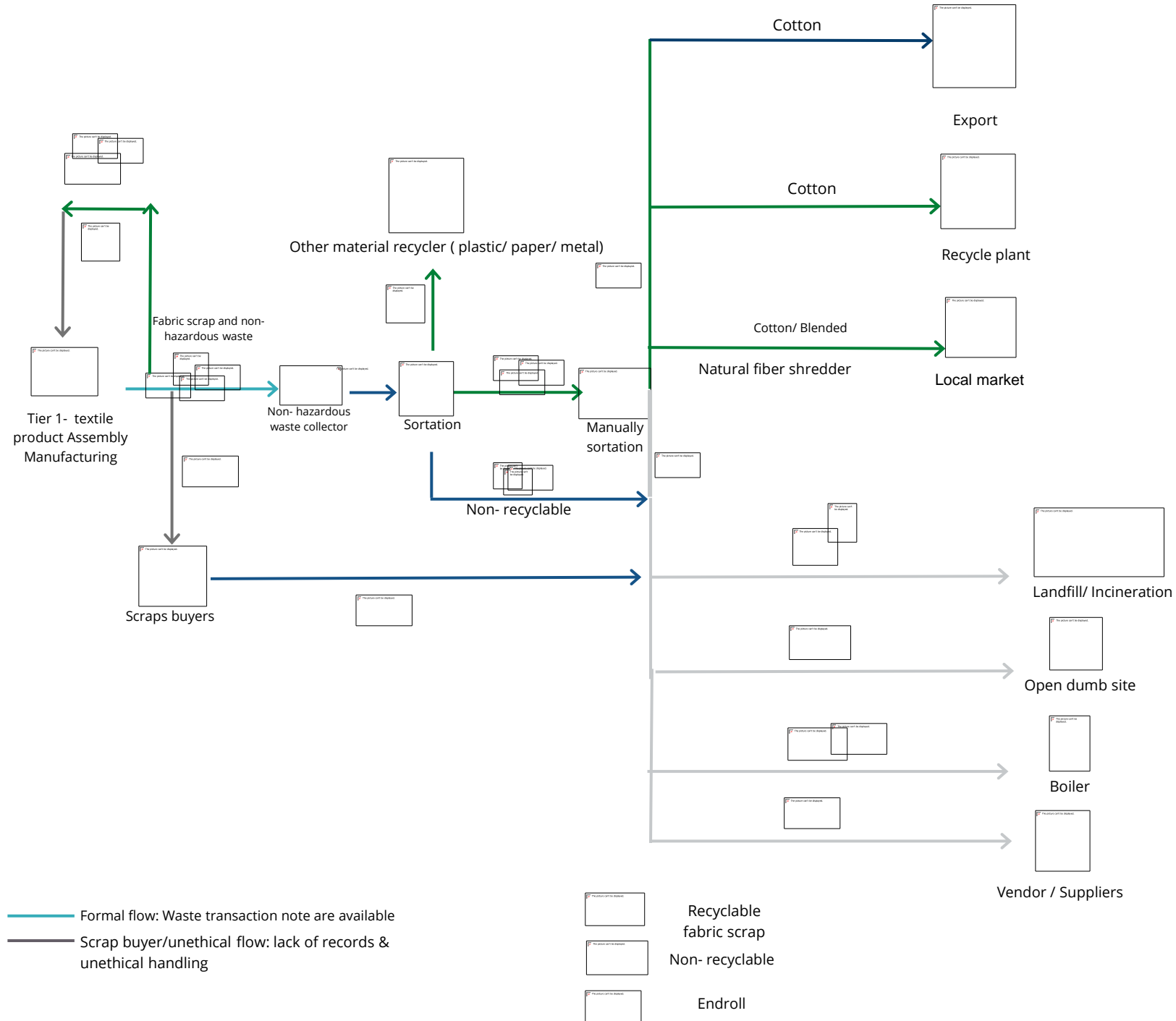


Asian Development Bank ESG Credentials Exchange Programme

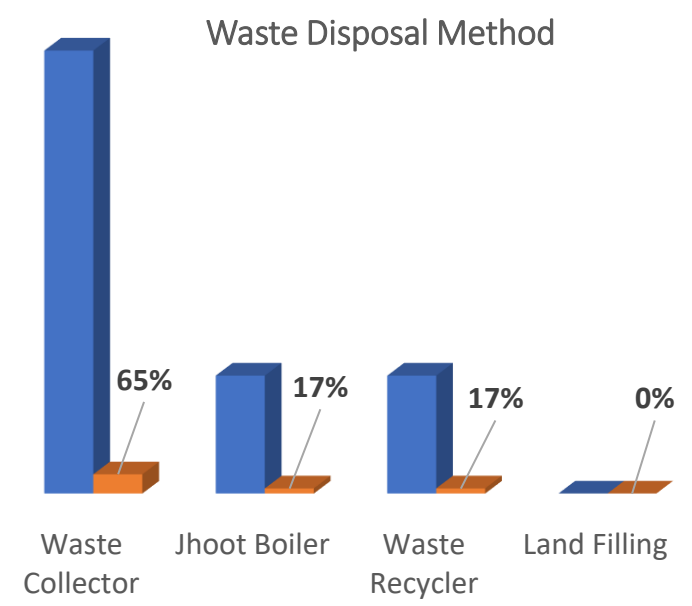
GS1 Hong Kong



Accelerate the adoption of trusted based supply chain traceability in the apparel and food industries (field to consumer)



PRODUCT TYPE	CUTTING WASTE (As Per % of Fabric used)
Knit	15-20%
Woven & Denim	20-25%
Fashion(Jacket)	12-15%
Average	15-20%



GIZ FABRIC : Waste mapping study



The activity provides **traceability** information on SVHC, by complying with at least one of the two disclosure frameworks listed below:

- Product information on substances is available publicly, in SCIP database or in a specific public tool provided by company
- Product information on substances is available publicly, following IEC62474 (for EEE) and future IEC82474 for all other sectors (dual logo project)

section A.2 above. Third-party verification of the recycled content and its **traceability** is provided for the relevant feedstocks and production lines according to ISO 14021. For

E5 Resource use and circular economy: Overview (II/II)

6 Disclosure Requirements related to performance measurement

- DR E5-4 – Resource inflows
- DR E5-5 – Resource outflows
- DR E5-6 – Waste SFDR
- DR E5-7 – Resource use optimisation
- DR E5-8 – Circularity support
- DR E5-9 – Financial effects from resource use and circular-economy-related impacts, risks and opportunities
- Taxonomy Regulation

SFDR Link to SFDR principal indicator on Hazardous waste and radioactive waste ratio and additional indicator on Non-recycled waste ratio.

Information on the **five sub-themes**:

- quantitative (absolute value et percentage) et qualitative.
- **Resource Inflows**: information on the materials used (renewable, reused, recycled).
- **Resource Outflows**: information on the weight and percentage of products, materials and packaging intentionally created to contribute to the circular economy, i.e. sustainability, reusability, reparability, disassembly, recycling, etc.
- **Waste**: details of hazardous/non-hazardous waste and waste destination.
- **Resource use optimisation**: share of turnover for products and services that optimise the use of resources and promote circular business models.
- **Circularity support**: coordinated actions and partnerships in the value chain.



Now part of IFRS Foundation

- 4.1.1 Enhancing supply chain visibility and **traceability** to raw materials suppliers through due diligence practices, research into traceability or use of traceability systems, technology, supplier screening, supplier audits or certifications, and/or a list of countries from which the entity sources each priority raw material;

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

10.00-11.00

ITEM 1: WHERE ARE WE NOW ON ESG TRACEABILITY?

Poll question: What aspects need greater focus concerning Traceability ?

1. Harmonized Product and Activity identification scheme by industry sector
2. Funding for establishing digital infrastructure to capture traceability information
3. Incentive for companies for greater traceability metrics (from investors, governments)
4. Ensure groups/associations within industry sectors are inclusive and open for participation; with access to sustainability related data.
5. Stop obsessing with Traceability!

Take the poll at: <http://etc.ch/fmFd>

Q&A: 20 minutes

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

11.00-11.30

BREAK 

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

11.30-12.30

ITEM 2: TEAM OF SPECIALISTS WORKSHOP - PART I

Data for ESG monitoring and reporting protocol - **Guiding questions:**

- What data do we need to collect to ensure effective ESG monitoring and reporting of value chains?
- What types of sustainability and geopolitical risks?
- How do we determine which data points are relevant for each aspect of ESG (environmental, social, and governance) to address these risks?
- How can we ensure the accuracy and reliability of the data we collect?

TIMETABLE: 30' small group discussion 30' audience-wide discussion

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

13.00-14.30

LUNCHBREAK 

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.00-16.00

ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

Guiding question: What are the cross-sectorial, and the sector-specific challenges, regarding data monitoring and reporting in the following sectors:

I. Keynote presentations

- GS1, **Francesca Poggiali**, Chief Public Policy Officer Europe
- Institute of Quality Certification for the Leather Sector (ICEC), **Sabrina Frontini**, Director

II. Sector-focused discussion

Critical raw materials value chains

Lead discussant: World Economic Forum, **Luciana Gutmann**, Project Fellow, Securing Critical Minerals for the Energy Transition

Textile and leather value chains

- Lead discussant: Better Cotton, **Kendra Pasztor**, Senior Manager - Monitoring, Evaluation, and Learning

Agri-food value chains

- Lead discussant: **Charles Arden-Clarke**, former Head One Planet Network secretariat of UNEP

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

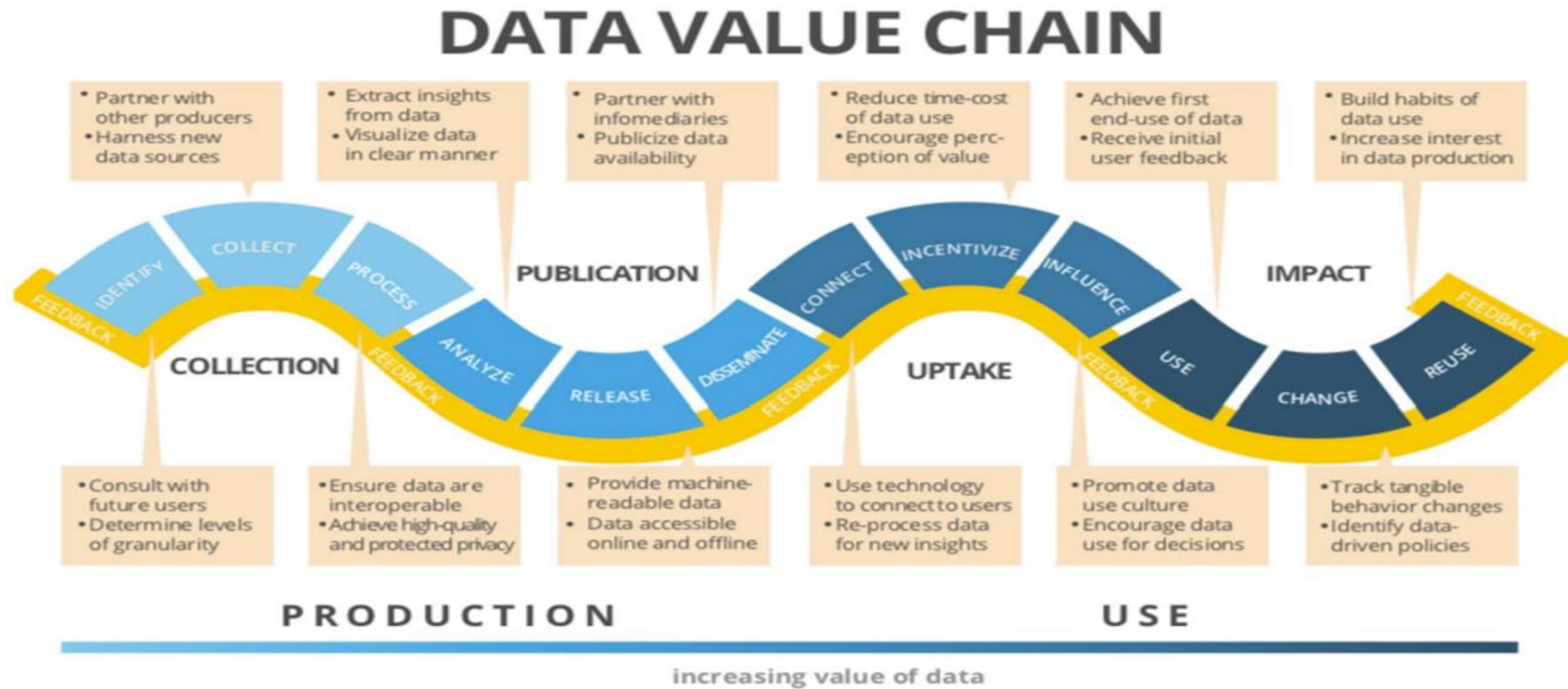
14.00-16.00

ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

I. Keynote presentations

- GS1, **Francesca Poggiali**, Chief Public Policy Officer Europe
- Institute of Quality Certification for the Leather Sector (ICEC), **Sabrina Frontini**, Director

Interoperable product data



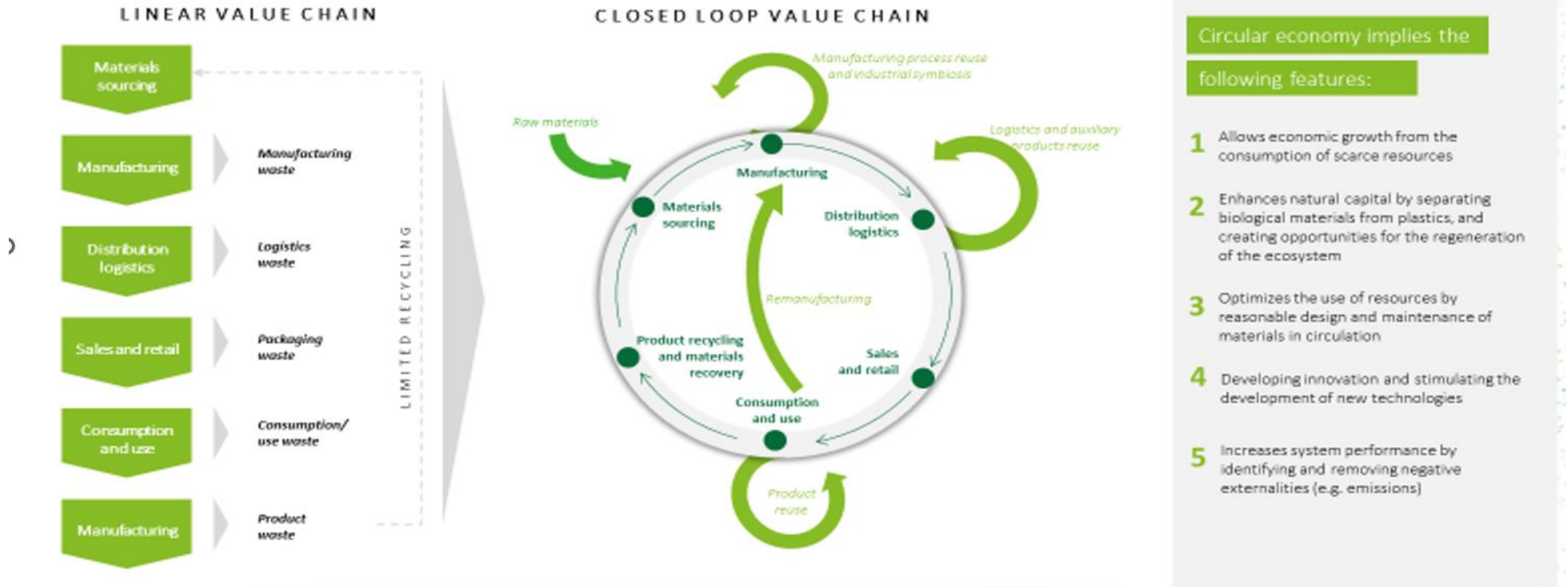
Roadblocks for **production** include lack of financial, human, and technological resources; low data literacy; lack of trust between users and data collectors; blind-spots in data gaps; lack of country ownership; and lack of government desire for transparency.



Roadblocks for **use** include low political support; lack of data relevance to decisions; poor quality; lack of trust in government data use; no rewards or results of data use; financial constraints; corruption; data silos; and lack of partnerships between infomediaries.

Source: Open data watch

From linear to circular data

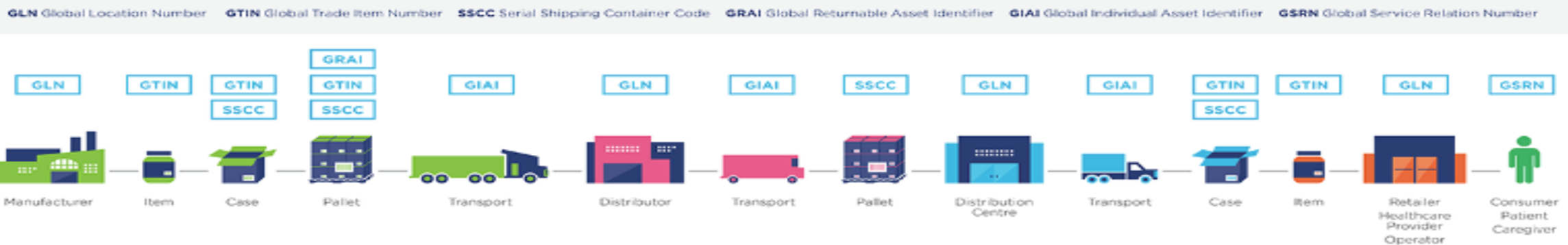


Circular economy implies the following features:

- 1 Allows economic growth from the consumption of scarce resources
- 2 Enhances natural capital by separating biological materials from plastics, and creating opportunities for the regeneration of the ecosystem
- 3 Optimizes the use of resources by reasonable design and maintenance of materials in circulation
- 4 Developing innovation and stimulating the development of new technologies
- 5 Increases system performance by identifying and removing negative externalities (e.g. emissions)

GS1 global, open data standards

Identify: GS1 Standards for Identification



Capture: GS1 Standards for Barcodes & EPC/RFID



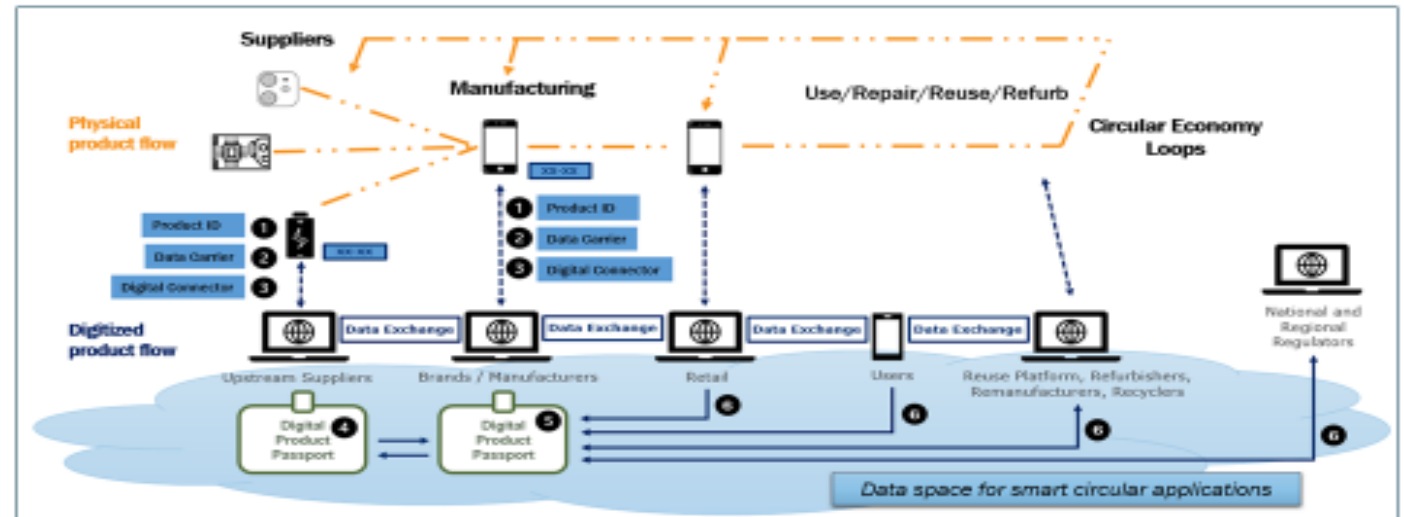
Share: GS1 Standards for Data Exchange



Digital Product Passport: CIRPASS

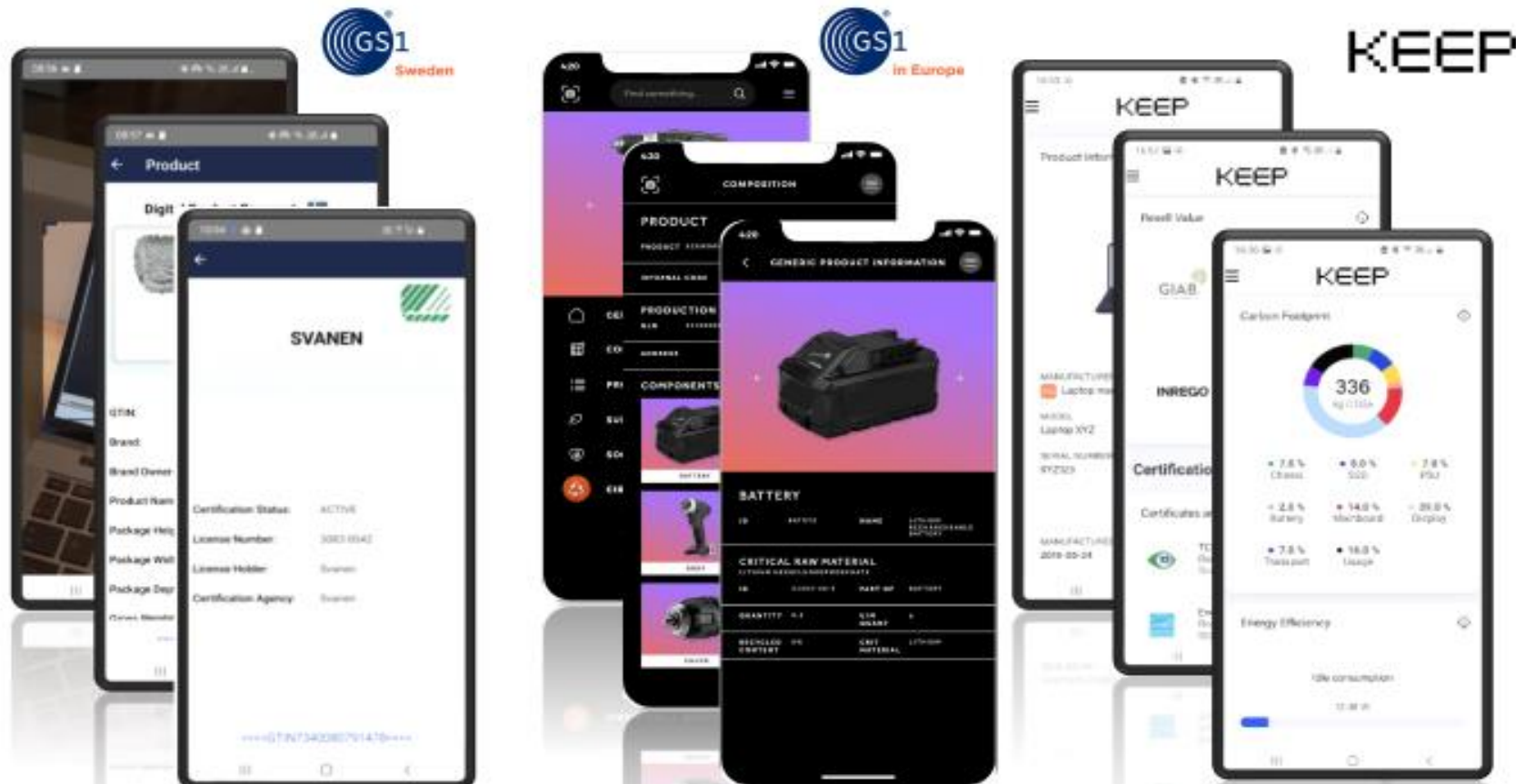
Components of the DPP system

- A unique persistent ID for the product (including batch and/or serialization as necessary) (1)
- A persistent data carrier (RFID, QR Code, digital watermark, Bluetooth tag, etc.) (2)
- A Digital connector between physical product and the digital place of information on the product (e.g., URI address) (3)
- An IT architecture for facilitating the data exchange (6) composed of:
 - Standardized vocabulary
 - Standardized data exchange protocols and formats
 - Standardized stakeholder-dependent access mechanisms (read/edit rights)
 - Distributed management of stored information (in connection with EU dataspace)
 - A stakeholder-dependent interaction layer



DPP pilots

The DPP: how it could look like (& work) based on GS1 standards



New standardisation table opened



The circular economy model includes new thinking related to the management of product data and resources, which increasingly need to be retained through re-designing, re-manufacturing, re-use and recycling.

Scope

To set the foundation for the GS1 system to support industry's identification and data sharing needs related to Circularity. Early-stage work of the group will focus on adapting the GS1 system so that industry can more effectively use it to address the known regulatory drivers of the EU Digital Product Passport.

[Join the GS1 Circularity – DPP group](https://www.gs1.org/standards/development-work-groups)

<https://www.gs1.org/standards/development-work-groups>

Thanks to all!



Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.00-16.00

ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

I. Keynote presentations

- GS1, **Francesca Poggiali**, Chief Public Policy Officer Europe
- Institute of Quality Certification for the Leather Sector (ICEC), **Sabrina Frontini**, Director

ESG Traceability of Sustainable
Value Chains in the Circular
Economy

UNECE – GENEVE

2023.05.09

ICEC

Relevant updates in the
space of ESG traceability
of leather

ICEC – Quality Certification
Institute for the Leather Sector
www.icec.it icec@icec.it



LEATHER MARKET NEEDS

CONSCIOUSNESS

OF SUPPLIERS, OF THEIR SUPPLY CHAIN, OF PURCHASED MATERIALS

CERTIFICATION ON **SUSTAINABILITY** ISSUES:
ENVIRONMENTAL, ETHICAL-SOCIAL, HEALTH AND SAFETY, CHEMICALS, PRODUCT, ...

ONE OF THE MAIN TOPICS IS ALWAYS

TRACEABILITY OF RAW MATERIALS (LEATHERS)



GUARANTEES FROM THE TANNERIES

ALTHOUGH **LEATHER IS A BY PRODUCT** OF THE **FOOD INDUSTRY**
(bovine animals, sheep and goats, pigs: > 99%),
THE SUPPLY CHAIN ANSWERS TO THE REQUESTS OF TRACEABILITY

➔ TANNERIES GIVES GUARANTEES THROUGH
TRACEABILITY CERTIFICATIONS (E.g. ICEC TS410/412)



INFORMATION ON THE **COUNTRIES AND PLACES** OF **SLAUGHTERING**
AND BREEDING OF THE ANIMALS FROM WHICH THE HIDES/SKINS USED
BY THE TANNERIES ORIGINATE, ARE MAPPED AND VERIFIED BY DIFFERENT
BODIES OF CERTIFICATION



TRACEABILITY DEVELOPMENTS

STARTING FROM THE DATA COLLECTED WITH TRACEABILITY CERTIFICATIONS, IT SHALL APPLY THE FOLLOWING:

- THE **ETHICAL CLAIM** «WE RECOVER OUR HIDES/SKINS FROM THE FOOD INDUSTRY» (e.g. ICEC TS733)
- THE **RISK ANALYSIS ON DEFORESTATION** FOR LEATHERS OF SOUTH AMERICAN ORIGINS **DCFL TOOL** (e.g. ICEC-NWF-WWF)
- THE RISK ANALYSIS ON **ANIMAL WELFARE** (e.g. AW TOOL by ICEC)



What is more pressing?

The **EU is a major consumer of commodities** associated with deforestation and forest degradation.

Objectives of the EU Regulation:

- Minimise the EU's contribution to deforestation and forest degradation worldwide

➔ **Mandatory due diligence** rules for all operators that place the relevant products on the EU market or export them from the EU (2021)

- Only products that are both **deforestation-free and legal** would be allowed to be imported into or exported from the EU market (including **LEATHERS**)

➔ **December 2024 (tentative)**: Entry into the application of obligations for operators (June 2025 for small enterprises)

A background graphic consisting of a network of interconnected nodes and lines. The nodes are represented by small circles in various colors (gold, brown, grey) and are connected by thin lines of corresponding colors, creating a complex web-like structure. The overall aesthetic is clean and modern, with a focus on connectivity and relationships.

COTANCE & CEN TC₂₈₉
initiative on Alignment
of Leather Traceability
Schemes

COTANCE – CEN TC 289

- offers certification scheme owners a platform to meet and negotiate on a **pre-competitive basis** for defining the minimum essential elements of traceability and evidence of verification to be present in a traceability scheme
- chairs the European standardisation body **CEN TC 289** where an agreement of traceability certification scheme owners can be officially consecrated in a GUIDELINE standard, allowing it to be referenced in legislation
- in 2019 started a dialogue between Leather-Meat that agreed on traceability objectives
- 2022: gathered **all the relevant certification scheme owners** in the “Leather Traceability Cluster”, which agreed in January 2023 to terms of reference (MONTHLY MEETINGS)



Textile
Exchange



...

Finding agreed solutions to

- Mapping the full Chain of Custody for a product
- Aligning on vocabulary & terms
- Identifying geographical provenance of a product
- Qualifying Countries according to Risk
- Ensuring documental and/or physical identity along the supply chain, etc...

GROUP NOW INVOLVING OTHER CLUSTERS:



& LAST BUT NOT LEAST: ITC

ICEC AND COTANCE ARE COLLABORATING WITH ITC FOR THE **LEATHER STANDARD ASSESSMENT:**

- LISTING & FILLING

THE MAP OF CERTIFICATION SCHEMES (**NATIONAL, INTERNATIONAL, PRIVATE STANDARDS**) WHICH ARE MAINLY **RECOGNIZED AND APPLIED BY THE LEATHER SECTOR** ACCORDING TO SUSTAINABILITY ISSUES.

**THIS SHALL WORK AS AN OFFICIAL REFERENCE TO SUPPORT
SUSTAINABLE CLAIMS WITHOUT PRODUCING GREENWASHING**
(REF. Traceability and Transparency for Sustainable and Circular
Garment and Footwear Value Chains).

Thank you. For any information: SABRINA FRONTINI s.frontini@icec.it



Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.30-16.00

ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

TIMETABLE: SECTOR-FOCUSED DISCUSSION (35 minutes each)

35 minutes: 5' ice-breaking -> 25' group discussion -> 5' wrap-up and closing

1. Critical raw materials value chains

- Lead discussant: World Economic Forum, **Luciana Gutmann**, Project Fellow, Securing Critical Minerals for the Energy Transition

2. Textile and leather value chains

- Lead discussant: Better Cotton, **Kendra Pasztor**, Senior Manager - Monitoring, Evaluation, and Learning

3. Agri-food value chains

- Lead discussant: **Charles Arden-Clarke**, former Head One Planet Network secretariat UNEP

Empowering Sustainable Resource Management: Updates, Transformations, and Potentials

Securing Minerals for the Energy Transition

Luciana Gutmann

Project Fellow,

Securing Minerals for the Energy Transition

UNECE – UN/CEFAT 40th Forum

Geneva, 09 May 2023

01

The Forum



Our role

01

The World Economic Forum is the International Organization for Public-Private Cooperation.

Our purpose is to bring together stakeholders from all sectors of society to shape a better future and generate great impact through purpose-driven communities and platforms.

Five decades as a trusted platform for high-level, multistakeholder cooperation.



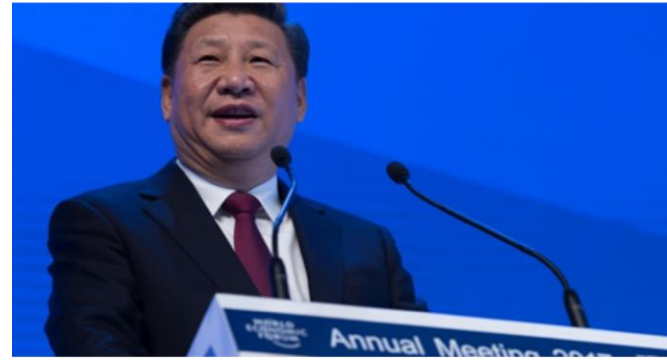
Our mission is to improve the state of the world.

Our approach

01

No single entity can improve the state of the world on its own.

At the Forum, we believe in convening multiple stakeholders and playing our role to amplify and scale up the world's best strategies for impact through a platform approach.



02

Securing Minerals for the Energy Transition



Securing Minerals for the Energy Transition - SMET

03

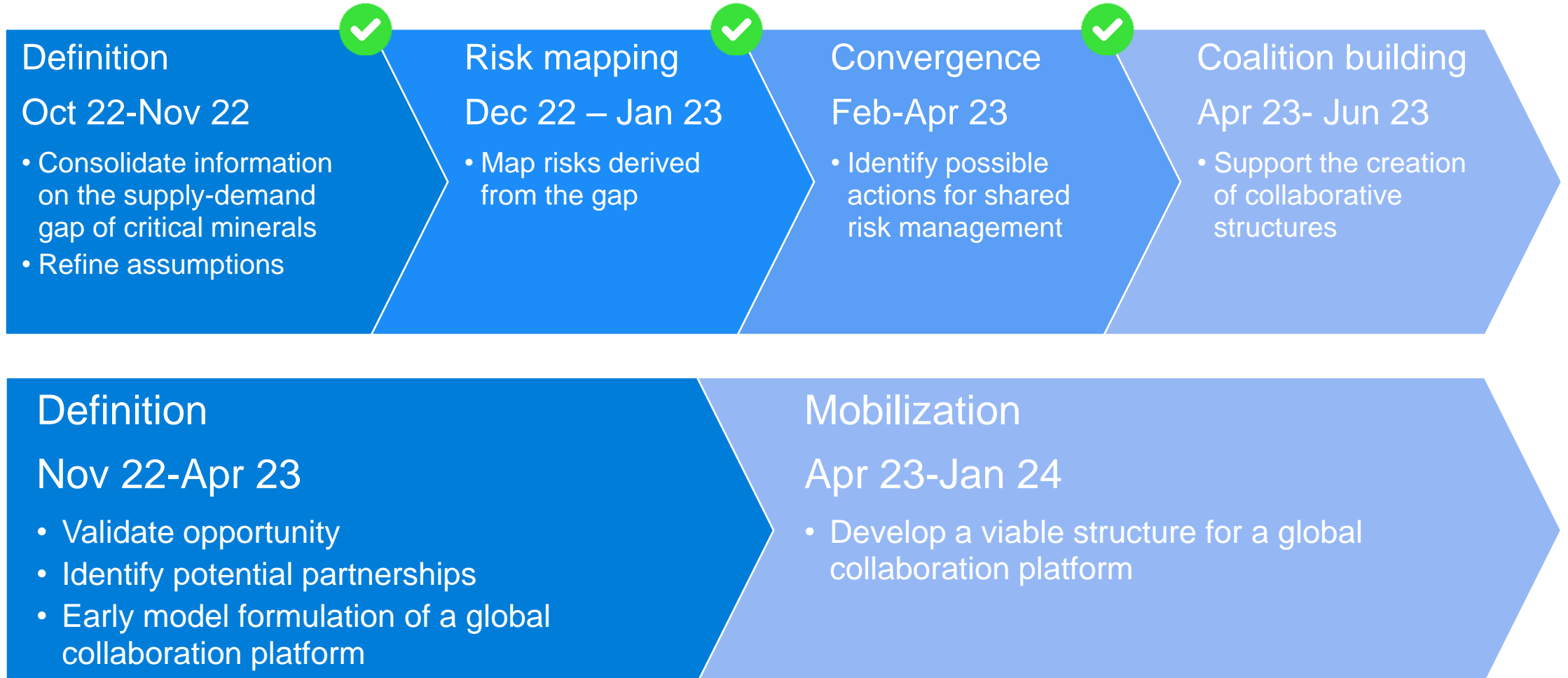
We have two objectives

Identify and characterize the risks derived from the increasing supply-demand gap in minerals for the energy transition and propose strategies for their collective management.

Design and assemble a global multistakeholder platform for monitoring, informing, managing risks and coordinating action.

We've secured support for this year

03

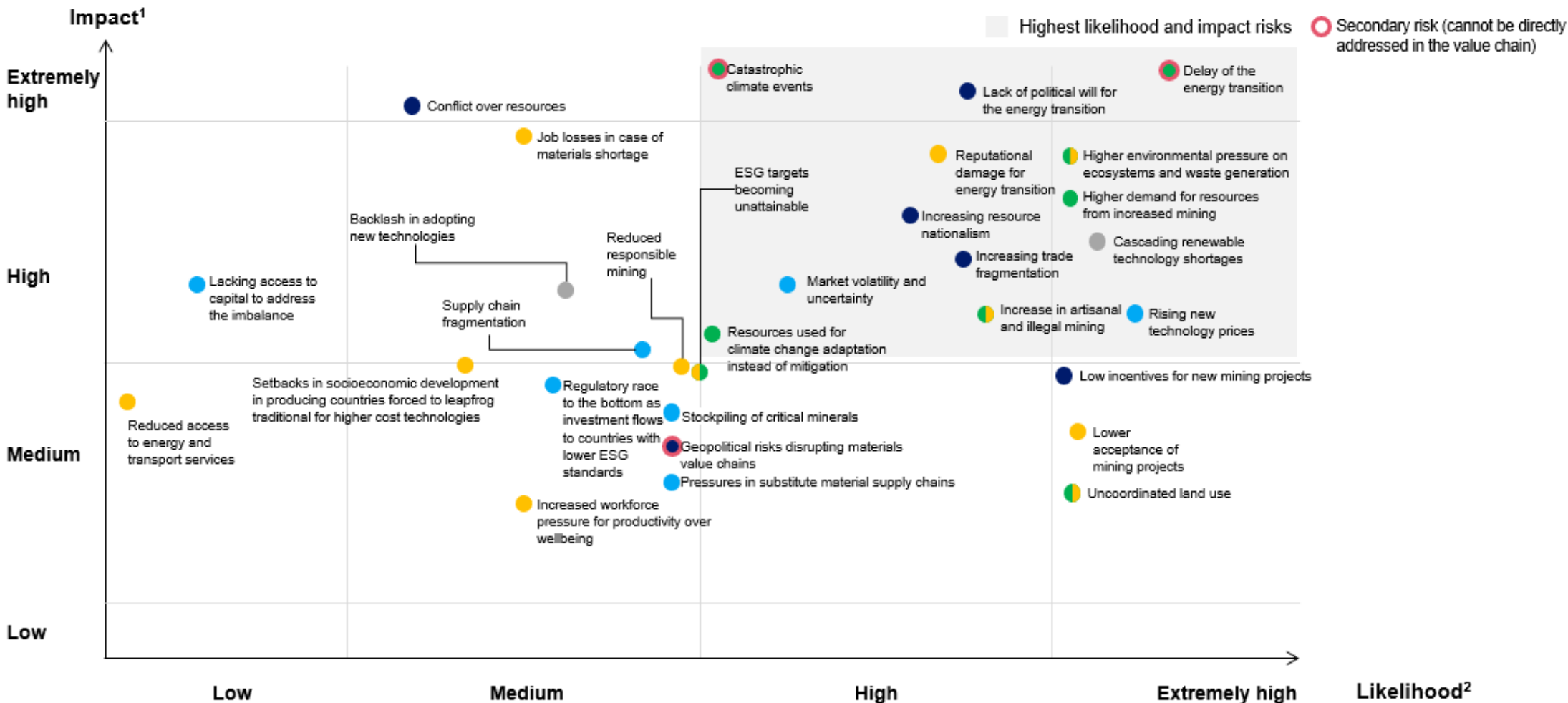


Supply-demand imbalance risk matrix



03

Ecosystem risk assessment



1: Impact on the ecosystem: 'Low' represents minor impact and 'Extremely high' represents catastrophic impact on human lives, societies, and the planet

2: Likelihood to happen: 'Low' represents a risk that is not likely to happen and 'Extremely high' a risk that is very likely to occur

Source: Risk identification based on insights from Risk characterization workshop 'Securing Minerals for the Energy Transition' and McKinsey analysis; Assessment structure from WEF Global Risks Report 2017. The risks identified in the workshop are renamed and placed in the matrix based on the assessment.

03

What's next?



A Global Collaboration Approach



There are many ‘go to places’, what if we try to have **just one**?

- **Call to action:** engaging the Public and Private sectors and Civil Society
- Joint efforts: different actors provide different capabilities and expertise
- A sustained **Global Collaboration Platform** to secure the critical minerals for the Energy Transition





Thank you

The World Economic Forum is the International Organization for Public-Private Cooperation.

Our mission is to improve the state of the world. Our purpose is to bring together stakeholders from all sectors of society. We provide a platform for the world's 1,000 leading companies to shape the future.



Contact us: wef.ch/engage



WORLD
ECONOMIC
FORUM

A blue circular graphic element, resembling a stylized globe or a partial circle, is positioned behind the text. It starts on the left side, curves around the top and right, and ends on the bottom side, partially overlapping the letters of the text.

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.00-16.00 - ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

SECTOR-FOCUSED DISCUSSION #1 (35 minutes)

Critical raw materials value chains

Lead discussant: World Economic Forum, **Luciana Gutmann**, Project Fellow, Securing Critical Minerals for the Energy Transition

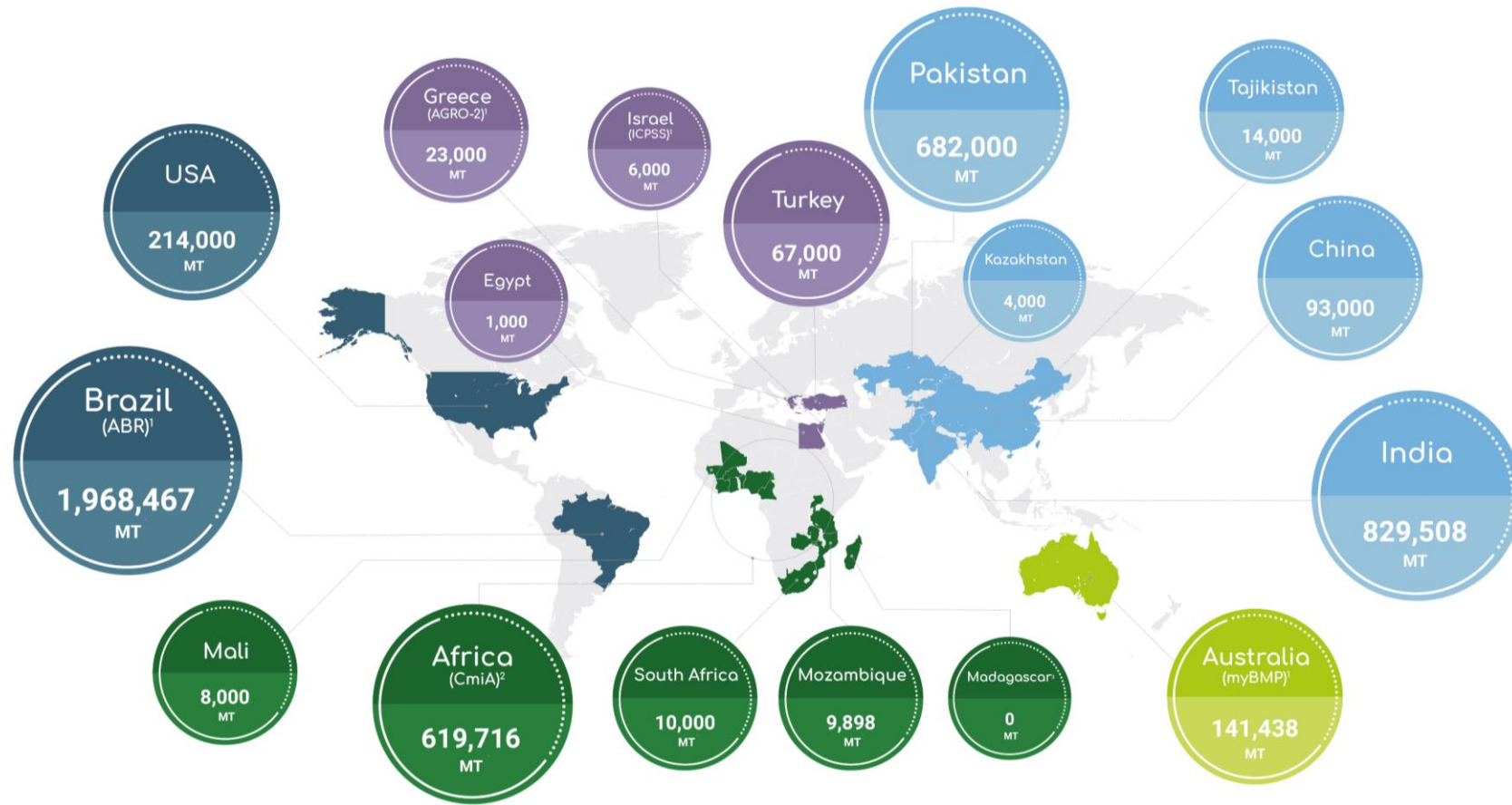
1. When it comes to supply data monitoring and sharing, do you believe that the private sector should be willing to share production and trade data, apart from the traditional data that is disclosed in sustainability reports? If not, why?
2. In what ways can public and private sectors collaborate to build a stronger and reliable data monitoring system? Do you see a gap for collaboration in this space? What might be immediate benefits, and perhaps on the flip side what might pose as a drawback?
3. Considering the most recent regulations which have surfaced in the supply of critical minerals that is intended to enable the energy transition, how should we plan to address the issue of geographical production and processing?
4. Going further, how should we incorporate and maybe even prioritise these regions in the dialogue while ensuring leverage in global supply chains?

Volume of Better Cotton Grown

2020-21 Cotton Season

Total Better Cotton Produced

4.7 MILLION METRIC TONNES



¹ Better Cotton recognised equivalent standards.

² The CmiA countries in the 2020-21 cotton season included: Benin, Burkina Faso, Cameroon, Chad, Cote d'Ivoire, Ghana, Mozambique (farmers in Mozambique who are both CmiA and Better Cotton licensed are only counted once), Nigeria, Tanzania, Uganda, Zambia.

³ Madagascar's only Producer Unit (group of farmers) did not earn a Better Cotton license in the 2020-21 season and therefore the figure for Better Cotton production is zero. Please note that the production figure for Pakistan is an estimate – this is due to Covid-19-related verification challenges and some data quality issues. The figure has been estimated based on previous season production volumes and volumes sourced.

Changing stakeholder needs

The growing demand for supply chain visibility

Regulatory pressure

- US and EU trade and customs legislation requires raw materials origin information.
- EU due diligence legislation places responsibility for sustainable sourcing across the entire supply chain on importers.
- EU Green Claims requires companies to substantiate environmental claims.

Investor and consumer demand

- Consumers want to know where their products have come from and that they were ethically sourced.
- Investors want to de-risk their supply chains.
- Companies are being measured on performance against impact targets.

The need for inclusive supply chains

- Need to ensure producers and SMEs can continue to access markets.
- Digital and regulatory shift could exclude small holders and SMEs if not managed properly.

At present, the market is not set-up to fulfil these requirements

What do we mean by Traceability?

Increased demand for supply chain visibility: growing expectation for companies to identify, prevent, mitigate, and account for impacts across the value chain.

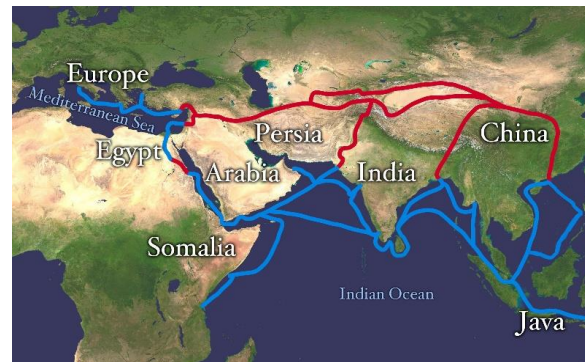
Pressure is coming from regulators, investors and consumers. To ensure Better Cotton **farmers can continue to access markets**, we will need to provide a level of traceability.

For cotton, this means knowing:

Origin information



Route to market*



*Country of origin

Impact**



**Long-term goal, not until 2030

Traceability Development Timeline

LAUNCH = Q4 2023



Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.30-16.00 - ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

SECTOR-FOCUSED DISCUSSION #2 (35 minutes)

Textile and leather value chains

Lead discussant: Better Cotton, **Kendra Pasztor**, Senior Manager - Monitoring, Evaluation, and Learning

1. In your experience, what are the most promising (or proven) examples of functional ESG traceability in the textile and leather sector? Particularly any that are inclusive of small-scale raw material producers and SMEs downstream in the value chain? How can they be scaled up?
2. The regulatory landscape in Europe and elsewhere is evolving quickly with regards to circularity, regulation of green claims, and corporate due diligence for this sector. Do you believe there is coherence across policy tools? If not, how can this be improved? What are the risks if policies are not mutually reinforcing?
3. Incentives - both financial and non-financial - are a critical requirement to make ESG traceability business as usual. What kind of incentives do you recommend we try in the textiles and leather sector? What has worked or not worked?

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

14.00-16.00

ITEM 3: TEAM OF SPECIALISTS WORKSHOP - PART II

SECTOR-FOCUSED DISCUSSION #3 (35 minutes)

Agri-food value chains

Lead discussant: **Charles Arden-Clarke**, former Head One Planet Network secretariat of UNEP

1. What are the key environmental and social objectives to be attained (and/or negative impacts to be reduced) in this sector along the full life cycle from primary production to consumption?
2. In your view/experience how has traceability along the value chain served to reinforce efforts to attain the key environmental, social and governance objectives in this sector, and what are key traceability tools which have enabled this reinforcement?
3. What role is there for government research, investment and policy making and implementation to reinforce voluntary standards, labelling and certification so as to increase the market share of food which reinforces ESG in this sector?

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

16.30-16.45

BREAK 

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

16.45-17.30

ITEM 4: TEAM OF SPECIALISTS WORKSHOP - PART III

Moderator: Vice Chair of the ToS, **Nathalie Bernasconi**, Executive Director, IISD Europe; Senior Director, Economic Law & Policy

Guiding questions - Future areas of work and fundraising:

- What are our strategic priorities for this next phase of work, particularly in relation to the development of the ESG monitoring and reporting protocol/guidelines?

In this connection:

- Considering the elements shared and discussed today, what are the building blocks of such document?
- Do you have the necessary support and resources, including type of expertise or stakeholders that we need to have involved in this work?

Working Meeting - Team of Specialists on ESG Traceability of Sustainable Value Chains in the Circular Economy

17.30

CLOSING

Next Session of the ToS: 11 October 2023, Geneva, Switzerland