Conference Call #6

Sub-group 4
Pilots and capacity-building activities

Cotton blockchain pilot

Pilot core team, Andrea Redaelli and secretariat
01 I 07 I 2020, WebEx teleconference

1. Update on the procurement

Maria Teresa Pisani

2. User stories collection - Update halfway through and the approach to create transparency via sustainability (risks) criteria

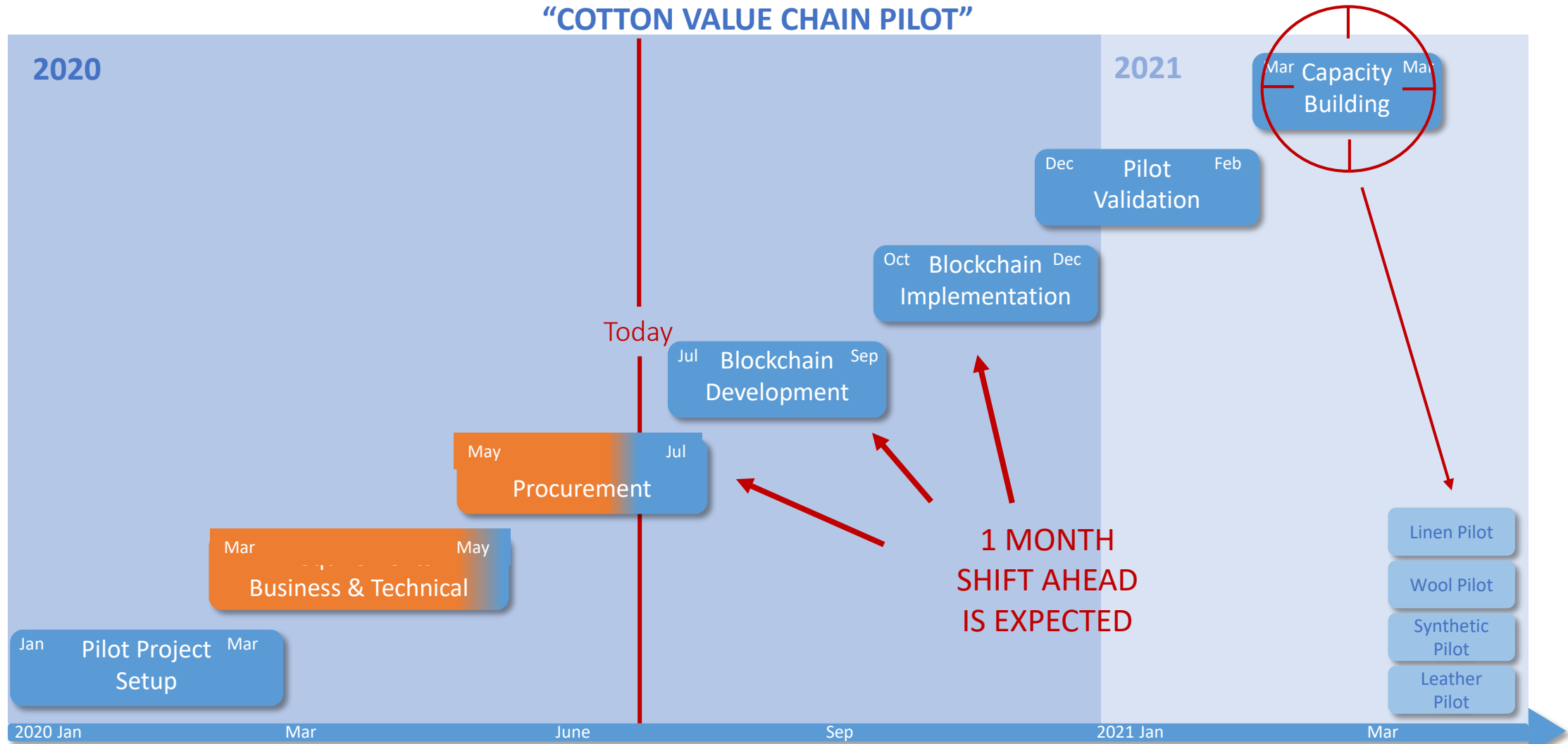*Andrea Redaelli*

3.Next steps and experts' subgroup input
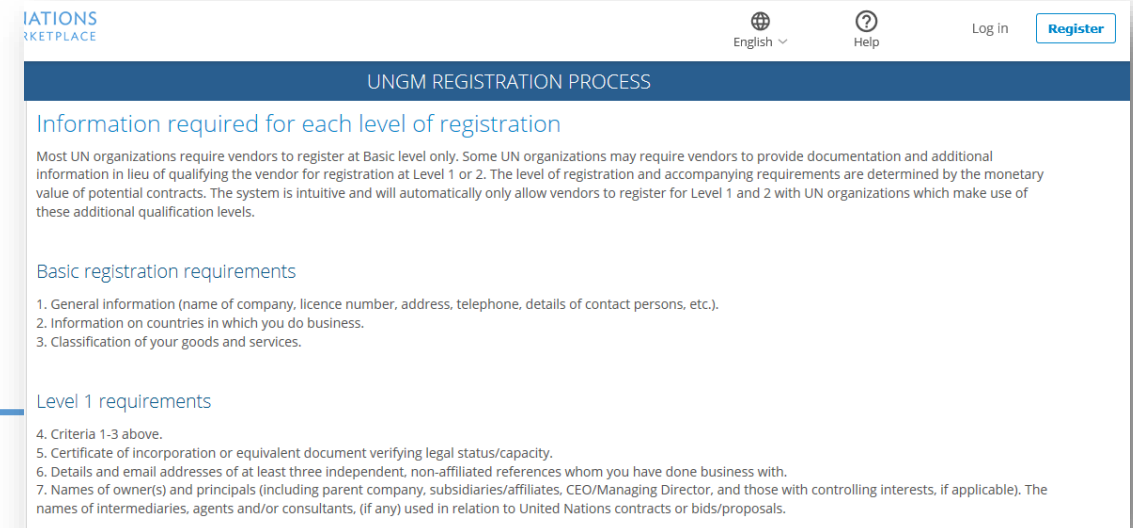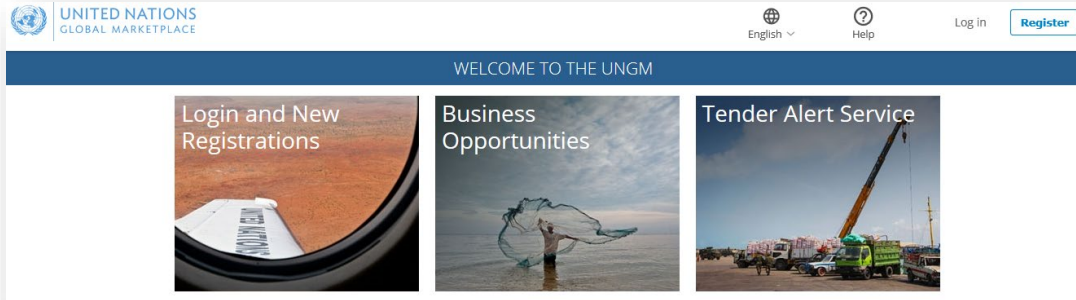
Maria Teresa Pisani

Background documents	– Project document for a pilot on blockchain for traceability and due diligence in the cotton value chain and progress report (draft April 2020)
	– Compilation of User Stories (29.06.2020)
	– Minutes of Virtual conference #5 meeting 03.06.2020)

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Pilot #1 - Implementing a blockchain technology for traceability and due diligence in the cotton value chain in support of a circular economy

"COTTON VALUE CHAIN PILOT"

2020

2021

Mar **Capacity Building** Mar

Dec **Pilot Validation** Feb

Oct **Blockchain Implementation** Dec

Today

Jul **Blockchain Development** Sep

May **Procurement** Jul

Mar **Business & Technical** May

Jan **Pilot Project Setup** Mar

1 MONTH SHIFT AHEAD IS EXPECTED

Linen Pilot

Wool Pilot

Synthetic Pilot

Leather Pilot

2020 Jan   Mar   June   Sep   2021 Jan   Mar

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- Secretariat procurement procedure

Status: *completed*

- UNOG procurement action via United Nations Global Marketplace

 Status: *ongoing*

TECHNOLOGY-SOLUTION PROVIDERS

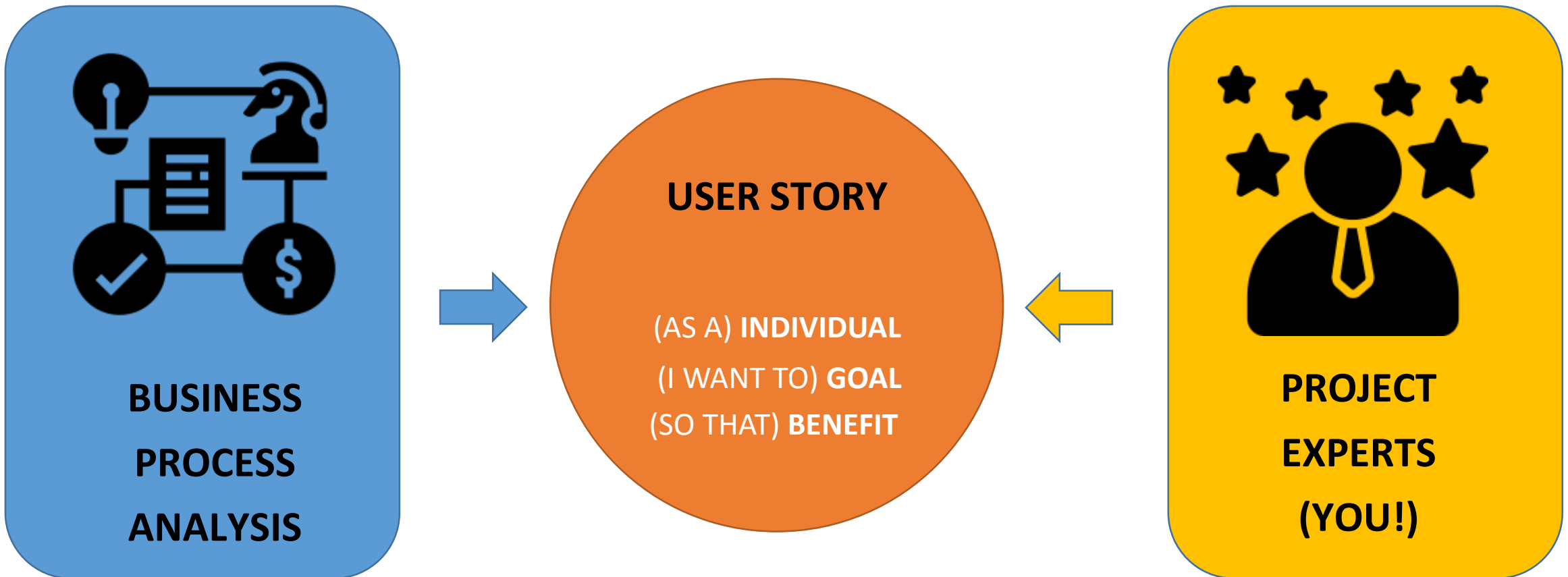- Register on United Nations Global Marketplace

Status: *ongoing*

- Notification from the secretariat when procurement action is completed

Procurement time frame :
- Approx. 2 weeks before the launch of the call
- Approx. 2 weeks to receive quotations
- Approx. 1-1.5 week for evaluation
- 1 week for finalizing the PO etc.

Pilot #1 - Implementing a blockchain technology for traceability and due diligence in the cotton value chain in support of a circular economy

BUSINESS

PROCESS

ANALYSIS

USER STORY

(AS A) **INDIVIDUAL**

(I WANT TO) **GOAL**

(SO THAT) **BENEFIT**

PROJECT

EXPERTS

(YOU!)

Pilot #1 - Implementing a blockchain technology for traceability and due diligence in the cotton value chain in support of a circular economy

1. Planting and Cultivation of Cotton

⚙ + *Pesticides* ✓

2. Cotton Harvest, Identification & transfer from Farmer to Ginner

⚙

3. Ginning & transfer to Spinner ✓

⚙

4. Spinning and transfer to Weaver

⚙

5. Bleaching, dyeing, washing & transfer to Weaver ✓ ⚙ + *Chemicals*

6. Weaving & transfer to Fabric Finisher(s) ✓

⚙ + *Chemicals*

7. Fabric finishing and other treatments & transfer to Manufacturer" ✓

⚙ + *Chemicals*

8. Garment or Product Production and transfer to Enoblement ✓

9. Product Enoblement and Packaging and transfer to "retailer" ⚙

10. Placement of Product in Stores or On-line for Sale ⚙

11. Consumption and Disposal ⚙

12. Post-Consumption Recycling

Pilot #1 - Implementing a blockchain technology for traceability and due diligence in the cotton value chain in support of a circular economy

1. Planting and Cultivation of Cotton

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5. Bleaching ... **er to**

Weaver ✓ + *Chem*...

6. Weaving & transfer to Fabric Finisher(s) ✓

+ *Chemicals*

7. Fabric finishing and other treatments & transfer to Manufacturer" ✓

+ *Chemicals*

8. Garment or Product Production and transfer to Enable...

...Produ...
...sfer

...Placement...-line for Sale

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12. Post-Consumption Recycling
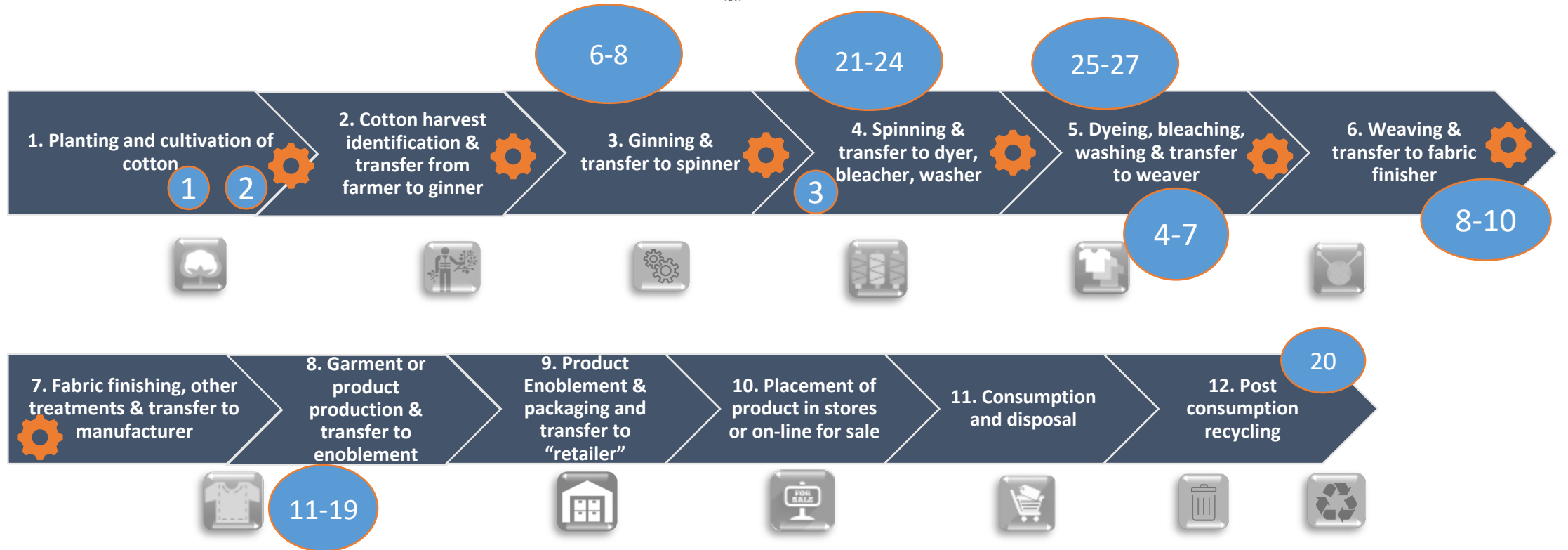
WHAT IS YOUR CORE BUSINESS AND DO IMPACT THE COTTON VALUE CHAIN?

WHERE DO YOU POSITION YOUR USER STORY IN THE COTTON VALUE CHAIN?

WHO ARE YOUR MOST RELEVANT BUSINESS PARTNERS?

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2. User stories collection - Update halfway through
against generic use case for traceability in the cotton value chain (BPA) - Current Status

FILMAR NETWORK ✓ elvy WEBA Switzerland ✓ Albini GROUP ✓ Ø ZDHC ✓ GLOBAL ORGANIC TEXTILE STANDARD GOTS OEKO-TEX® CONFIDENCE IN TEXTILES ✓ Haelixa ✓ Vivienne Westwood ✓ BURBERRY LONDON STELLA McCARTNEY HUGO BOSS

6-8   **21-24**   **25-27**

1. Planting and cultivation of cotton **1 2**

2. Cotton harvest identification & transfer from farmer to ginner

3. Ginning & transfer to spinner **3**

4. Spinning & transfer to dyer, bleacher, washer

5. Dyeing, bleaching, washing & transfer to weaver **4-7**

6. Weaving & transfer to fabric finisher **8-10**

7. Fabric finishing, other treatments & transfer to manufacturer **11-19**

8. Garment or product production & transfer to enoblement

9. Product Enoblement & packaging and transfer to "retailer"

10. Placement of product in stores or on-line for sale

11. Consumption and disposal

12. Post consumption recycling **20**

✓ *Bilateral sessions completed with implementing partners*

● *User stories collected from the BPA and past bilateral sessions*

⚙ *Upcoming user stories to be collected based on past bilateral sessions*

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- *As requested by the experts the user stories compilation document*

- *Featuring **28** user stories along the cotton value chain*

- *Supporting material for technology-solution providers*
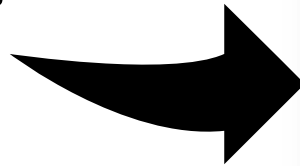
UNECE-UN/CEFACT Enhancing Transparency and Traceability for Sustainable Value Chains in Garment and Footwear

BUSINESS PROCESS 01: Planting and Cultivation of Cotton

User story #1 – No hazardous chemicals during farming

AS A	I WANT TO	SO THAT
Farmer	claim the chemical inventory list of fertilizer supplier	the cotton product compliance confirms with ZDHC MRSL and avoid the use of hazardous chemicals in the next process steps.
ACTIVITY DESCRIPTION	*(complete)* Order / delivery fertilizer -	

User story #2 – No hazardous chemicals during farming

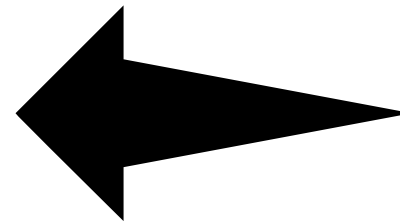| AS A	I WANT TO	SO THAT
Farmer	provide an in-check report of my chemical inventory list (CIL)	I can proof my chemical management performance
ACTIVITY DESCRIPTION	*(complete)* Order / delivery fertilizer -	

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1. How to create **high value user stories**?

2. Which **sustainability criteria** to claim to create transparency in the cotton value chain ?

3. Which **information contributes to create transparency, traceability and due diligence** and then worth to publish on a blockchain platform?

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Initial **sustainability criteria** identified during User stories collection:

- supplier details

- chemicals

- conventional/BCI/organic/recycled cotton

- water consumption

- waste water management

- origin of the material

- quality of products

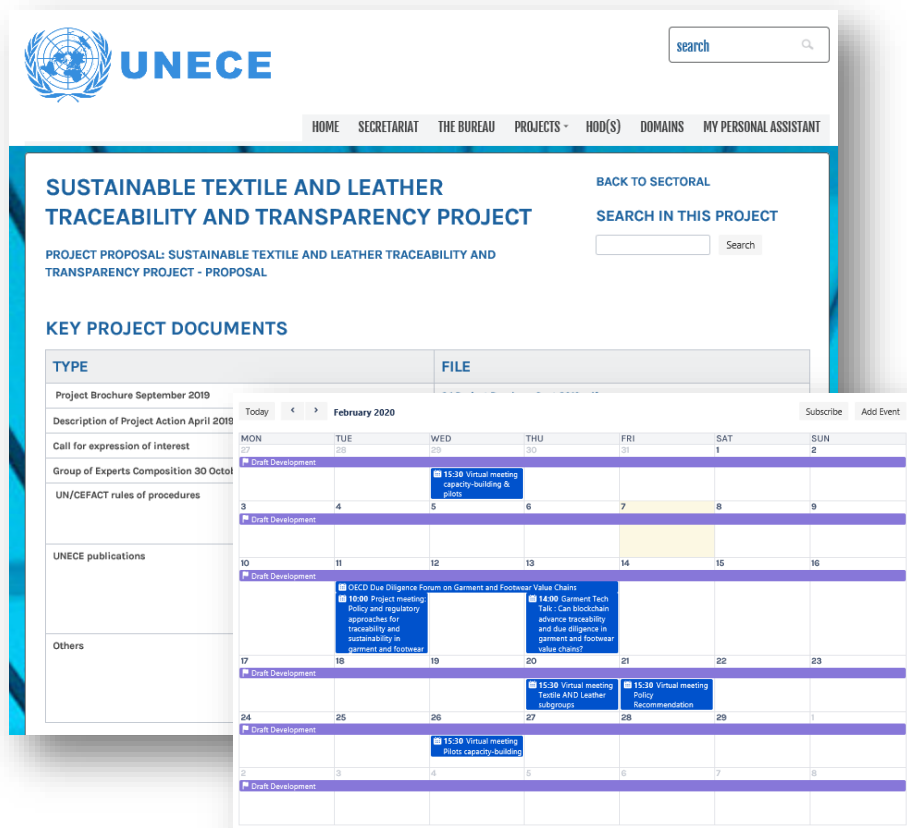- ISO certification

- social compliance

Experts' suggestions and feedbacks ?

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Pilot #1 - Implementing a blockchain technology for traceability and due diligence in the cotton value chain in support of a circular economy

NEXT STEPS	
PROCUREMENT PHASE Publication online of the RFP for the blockchain solution	*Early July*
STORYTELLING «FIL ROUGE» BEHIND THE PILOT	*Ongoing*
BUSINESS PROCESS ANALYSIS (BPA) – SUBGROUPS 2 & 3 Collection of inputs for all 12 business processes of the value chain	*Ongoing*
USER STORIES DEFINITION with piloting partners for the technology-solution provider	*Ongoing to be completed by end July*
WORKSHOP W/ Technology-solution provider Definition of the business & technical requirements based on collection of BPA and users' stories.	*Early August*

In partnership with

COLLABORATIVE UN/CEFACT ENVIRONMENT SPACE

Where to find the project and meeting materials ?

Ongoing consultations:

- **Story telling** (July 2020)
- **BPA Textile & Leather** (July-August 2020)
- **User Stories** (July 2020)
- **Procurement Action & Contract** (July 2020)

Deadline for next round of comments
31 July COB

Next virtual conference call
September 2020 (TBC)
November Virtual Policy Dialogue (TBC)

Thank you for your attention

Maria Teresa Pisani
Olivia Chassot
Andrea Redaelli
Heinz Zeller

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