



Terms of Reference for the development of a strategy, a roadmap and policy recommendations to set sustainable textile manufacturing and clothing industry in Lebanon

1. Background

[Berytech](#), the leading entrepreneurship institution in Lebanon and a key regional player, brings 20 years of experience and successful local and regional track records in building and managing a dynamic entrepreneurship ecosystem for the creation and development of novel businesses. Berytech has a current portfolio of more than 30 pioneer innovation programs ranging from competitions to capacity building, acceleration, incubation, access to finance, and access to markets in addition to initiatives to empower ecosystems, on a local and regional scale, in various sectors such as agriculture and food, water, energy, clean technology, green entrepreneurship and circular economy, and social entrepreneurship, all involving ICT and new technologies.

Berytech is the Lebanese partner of the ENI CBC Med funded **STAND Up! project**, a project that aims to enhance scalable, replicable, and inclusive circular economy textile ventures in the Mediterranean by developing an ecosystem of business support, innovation, and technology transfer that will lead to sustainable job creation for youth and women. The project is implemented in Egypt, Italy, Lebanon, Tunisia, and Spain by national partners.

Under the “*Policy influence and eco-system stimulation to support eco-innovative textile and clothing ventures*” activity, Berytech is now calling for consultants to conduct a policy paper to develop a national strategy with policy recommendations and a roadmap to enable and encourage the development of sustainable textile and clothing for Lebanon. The consultant will create the policy paper (including strategy, roadmap, and policy recommendation) to understand the opportunities and barriers to developing circular textile businesses and to make recommendations to improve the development of such businesses. The goal is to guide and influence policy and sector governance changes in support of circular entrepreneurs. This project is simultaneously implemented in 2 of the partner countries: Egypt and Tunisia.

Berytech will collaborate closely with the selected consultant throughout all phases of the activity, in coordination with [Texfor](#) (the leading partner for this activity), which will provide templates for all the details of the policy paper development (interview questions, synergy workshop outline, report table of contents, and draft roadmap). These stages include mapping of the stakeholders in Lebanon, interviews with stakeholder, report and roadmap, synergy workshop and dissemination events.

2. Objective



STAND Up!

The policy paper is conceived as a tool to get to know, guide and influence the national policy and governance model of the textile sector to better support circular ventures in their initiatives that are transforming the sector to sustainability.

The objective is to provide an understanding of the **status** of the sector, **recommendations**, and a **roadmap** to improve the local ecosystem in order to promote sustainable production and consumption patterns in the textile and clothing sector in the Mediterranean by creating an enabling environment for the creation of textiles start-ups with green and social purposes.

The policy paper has, as main objectives:

1. Mapping the stakeholders of the textile, fashion and clothing sector in Lebanon.
2. Getting to know the state of art of Circular Economy and decarbonization legislation and initiatives affecting the development of circular textiles in Lebanon.
3. Identifying the main challenges and opportunities that are facing circular textiles businesses and start-ups and their ecosystem to develop their ventures.
4. Emphasizing the need to promote transformations on the governmental and political level in the Mediterranean area to support the entrepreneurial network in adopting environmental and social improvements in the textile and clothing sector.

3. Description

1. TARGET AUDIENCE:

This policy paper is targeting:

- Policy makers and public authorities
- Green entrepreneurs: Early and growth stage ventures in the textile and clothing sectors
- Textile and clothing manufacturers and wholesalers
- Civil society, members of associations, third sector
- Business support organizations
- Textile experts, consultants, university professors

2. POLICY PAPER TOPIC:

Nowadays, the world is facing many environmental and social challenges (climate change, loss of biodiversity, different kinds of pollution, gender equity, lack of working opportunities, ensuring education, non-compliance with human rights, etc.) and it is important that all the stakeholders including policymakers support the development of new circular businesses to transform the current unsustainable production and consumption models.

The textile sector is the fourth most pollutant sector in terms of raw material and water consumption followed by the food sector, hostel, and transport. Looking at climate change pressures, the production of textiles generates around 15-35 tons of CO₂ equivalent per ton of textiles produced. In the end-of-life stage



(waste), less than 1% is recycled (post-consumer). Moreover, the textile production processes use a large amount and variety of chemicals and produce a large amount of wastewater during production. About 3,500 substances are used in textile production and out of these 750 have been classified as hazardous for human health and 440 as hazardous for the environment. It is also estimated that about 20% of global water pollution is caused by dyeing and finishing textile products, affecting the health of workers and local communities. Moreover, washing releases chemicals and microplastics into household wastewater. It is estimated that about half a million tons of plastic microfibers are released into the ocean annually from washing plastic-based textiles (EEA, 2019).

The policy paper tasks will create a general vision of the Lebanese situation on the following **topics**:

- Existing circular economy regulation and initiatives affecting circular textile businesses. The main circular and decarbonization aspects to be taken into account are water & wastewater in manufacturing, Hazardous Chemical use and management in product and manufacturing, Textile Waste (pre-consume and post-consume), Hazardous waste in manufacturing, Green Public procurement, process control in manufacturing and energy efficiency, future goals through decarbonization.
- Barriers and opportunities to develop circular textiles businesses
- Barriers and opportunities for SMEs'
- Barriers and opportunities for start-ups
- Barriers and opportunities for governments (local/regional/country level)

These topics are connected with the Circular Economy and Business Model strategies in the Textile Sector:

- Strategy 1: Prevent Pollution and Save Resources
- Strategy 2: Recover Resources After Disposal
- Strategy 3: Extend Resource Use and Reduce Disposal
- Strategy 4: Increase Resource Utilization Rate
- Strategy 5: Shift to Circular Supplies and Renewable Resources

3. PROCESS:

The policy paper tasks will include different steps to get the best results by ensuring the participation of different stakeholders:

a. **Outline of the policy paper:**

Berytech will share the general table of content of the report developed by Texfor (Annex I).

b. **Mapping of stakeholders:**



To get to know the ecosystem/ key players of the textile manufacturing and clothing industries in Lebanon and thus be able to address this policy paper efficiently, it is important to start by mapping all the different stakeholders in the field. Stakeholders include but are not limited to:

- Policy makers and public authorities
- Startups in the textile and clothing sectors
- Textile and clothing manufacturers and wholesalers
- Civil society, members of associations, NGOs
- Business support organizations
- Textile experts and consultants
- Fashion academies and institutions

It is critical at this point to map the stakeholders who are not yet sustainable and circular to understand their motivations and obstacles.

c. Interviews

The second step is to get to know the opinion and information from different stakeholders-on the state of play of Circular Economy and Decarbonization in the textile sector of Lebanon and to know which problems these businesses face to develop circular projects. Based on this, a set of recommendations to improve the ecosystem and the launch of such businesses will be proposed.

This will be done through interviews with relevant stakeholders and desk research. The information collected will be used to organize the Synergy workshop.

We recommend conducting at least three interviews per stakeholder category to receive the best information on that subject:

- Public Sector
- Startups and innovators
- Textile and clothing manufacturers and wholesalers (established companies)
- NGOs, associations and BSOs
- Academia and experts

The questionnaire was developed by Texfor (Annex II).

d. Synergy workshop:

The Synergy workshop will serve to validate and complete the information obtained during the interviews and the desk research through the creation of working groups. The groups will be discussing how to develop best practices, and know the state of play, strengths, opportunities, weaknesses, and threats to develop circular textiles ventures.



The consultant will be responsible for inviting the stakeholders to attend the workshop and leading the workshop itself. Invitees include policymakers, support organizations, SMEs, entrepreneurs and start-ups, textiles and sustainability experts, universities, etc.

Berytech will manage the event logistics: Venue rental, catering...

e. Draft of final report and roadmap:

With the information obtained from the interviews, the synergy workshop, and the desk research, the consultant will prepare a draft of the final report and roadmap using the template from Annex I. It will be presented to Berytech and Texfor for review.

f. Conclusions and roadmap report:

Finally, the consultant will present the final report based on the input of Berytech and Texfor. The report will be short and clear with recommendations to improve the environmental performance of Circular Economy and Decarbonization in the textile sector and support the development of circular textiles ventures.

g. Dissemination event:

In coordination with Berytech, the consultant will organize an event to disseminate the key conclusions. Berytech with the consultant will invite relevant stakeholders of the sector, panelists and experts to give the context to the event. The consultant will also lead on this event.

Berytech will manage the event logistics: Venue rental, catering...

h. Final event:

During July 2023, Texfor will organize an event to capitalize on the findings of the Policy Paper activity that was conducted simultaneously in Lebanon, Egypt and Tunisia. The event will conclude this activity with different panelists, experts, and real cases to show the importance of legal accompaniment.

Texfor will designate the role of the consultant during the event.

i. Deliverables and Timeline:

The Consultant will start the work after the validation of their offer by the contractor (Berytech) and the signature of an agreement and shall coordinate with Berytech team for the strategy and implementation throughout the whole process based on the following timeline:

Deliverable	Deadline
1. Mapping draft	3 weeks after signature
2. Results of interviews	End of April 2023
3. Synergy Workshop	First week of May 2023



4. Draft of final report and roadmap	First week of June 2023
5. Final Report and roadmap	Third Week of June
6. Dissemination event	End of June 2023
7. Final event (with Texfor)	July 2023

All the deliverables will have to be presented in English and validated by the Contractor (Berytech) within one week after the submission, before moving to the next step of the assignment in addition, regular calls will be organized with the contractor (Berytech). The final report should be presented to the contractor (Berytech) in a proper format including design, layout, and content.

4. Budget

The consultant will receive EUR 6,500 to work on all the deliverables. This budget does not cover the logistics of the workshop and dissemination event, the latter will be covered by Berytech.

5. Eligibility

Applicants must fulfill the following requirements:

- Be an individual consultant, academic researcher, firm, or association.
- Be able to comply with national fiscal context and rules for receipt of international funds.
- Partnership and subcontracting are allowed, provided that the legal applicant entity has a substantial role in implementing the assignment. The applicant will be the only legal entity with which the contract relation will be established.
- Experience in Circular economy/sustainability in the Lebanese context. Knowledge in the fashion and textile industry is a plus.
- Desirable knowledge or experience in the circular economy regulation and initiatives affecting circular textile businesses.
- Previous experience in qualitative research.
- Excellent English writing skills.

6. How to apply and selection process

Candidates should submit the following documents:

- Technical: The Consultant should elaborate on a specific methodology to conduct the work.
- Financial offer: a lump sum for all costs related to elaboration of deliverables.
- Profile: The consultant should submit professional CVs and portfolio (if any).
- Project references on the topic.



Offers must be sent by email to Procurement@beryttech.org with the subject “STAND Up! policy paper to set sustainable textile manufacturing and clothing industry in Lebanon”, by March 1st, 2023, at the latest.

Important:

The header of the technical and financial offers must clearly note the candidate information (Name, address, country, telephone, email and fiscal identity number or other official number) and those of the Contractor: Berytech Foundation, Constitution notices 26/AD, MOF #1429230, P.O. Box: 11-7503 Riad el Solh, Beirut, Lebanon.

The maximum amount per offer is EUR 6,500.

Offers will be assessed according to the following criteria and scores:

Grading	Criteria
Grading /20	Background and experience in research in addition to the consultant(s) profile.
Grading /20	Quality of the technical offer and references to meet the work objectives.
Grading /20	Proven track record and knowledge in sustainability and circular economy.
Grading /10	Proven track record and knowledge in the textile and clothing sector.
Grading /10	Proven knowledge or experience the Lebanese regulation.
Grading /20	Financial offer.

If you have questions concerning this ToR, please contact: Elise.sfeir@beryttech.org and Procurement@beryttech.org

7. Selection and payment

The winning candidate will be notified by email. The Consultant will start the work after the validation of their offer by Berytech and the signature of the agreement.

Payment will be done as below:

- 30% of the payment upon signature of the agreement.
- 70 % of the payment upon the approval of the final report and implementation of the dissemination event(s).



Payments will be done within a period of 60 days after reception and validation of the invoice. The Contractor (Berytech) is not responsible for banking costs that might be applied by the consultant bank, nor for changes in currency exchange.



ANNEX I. Table of contents

- 1- Introduction (state of play of industry in the country)
- 2- Legal framework on Circular economy and decarbonization
- 3- Mapping of the textile and clothing sector in Lebanon
- 4- Challenges and opportunities to develop circular textiles businesses according to SMEs and start-ups
 - a. Triggering factors
 - b. Limiting factors
- 5- Challenges and opportunities to develop circular textiles businesses according to support providers and policy makers
 - a. Triggering factors
 - b. Limiting factors
- 6- Strategies and recommendations for the promotion of circular textiles businesses
 - a. Strategic recommendations and actions
 - b. Recommendations for policy makers
 - c. Recommendations for financial actors
 - d. Recommendations for technical support providers



ANNEX II. Policy paper questionnaire

- Questionnaire for startups

General

1. What is your business about?
2. What made you decide to launch your green enterprise?
3. When did you launch your enterprise?

Opportunities (triggering factors)

4. What opportunities did you identify when you started:
 - a. Access to skills and knowledge
 - b. Access to technical support
 - c. Access to finance
 - d. Networks and visibility
 - e. Regulations and policies
 - f. External factors (environmental, social, economic, political, legal)?
5. Are these opportunities still available at present?

Challenges (limiting factors)

6. What challenges do you face in the development of your business?
 - a. Access to skills and knowledge
 - b. Access to technical support
 - c. Access to finance
 - d. Networks and visibility
 - e. Regulations and policies
 - f. External factors (environmental, social, economic, political, legal)?
7. Does it exist circular economy regulation and initiatives in your country affecting circular textile businesses?
8. If yes, which is this regulation? (water & wastewater in manufacturing, Hazardous Chemical use and management in product and manufacturing, textile Waste (pre-consumer and post-consumer), hazardous waste in manufacturing, Green Public procurement, process control in manufacturing and energy efficiency, future goals through decarbonization, eco-design (durability, recycled content, etc.) labelled for health aspects, labelled with environmental and social aspects, etc.)
9. How does this regulation affect your business?
10. Are there any control mechanisms ensuring the compliance of the regulation?
11. Are the requirements from clients (specially from companies) conditioning your production (e.g. need for standards))?

Recommendations

12. In your opinion and based on your experience, what can be done to further support textile and clothing green entrepreneurs in your country?



- Questionnaire for other actors (policy makers, business support organisations, textile experts etc)

Opportunities (triggering factors)

1. What opportunities are available in your country for entrepreneurs to launch sustainable textile start-ups?
 - a. Access to skills and knowledge
 - b. Access to technical support
 - c. Access to finance
 - d. Networks and visibility
 - e. Regulations and policies
 - f. External factors (environmental, social, economic, political, legal)?
2. Are these opportunities still available at present?

Challenges (limiting factors)

3. What challenges do entrepreneurs launching sustainable textiles projects face in the development of their businesses?
 - a. Access to skills and knowledge
 - b. Access to technical support
 - c. Access to finance
 - d. Networks and visibility
 - e. Regulations and policies
 - f. External factors (environmental, social, economic, political, legal)?
4. Does it exist circular economy regulation and initiatives in your country affecting circular textile businesses?
5. If yes, which is this regulation? (water & wastewater in manufacturing, Hazardous Chemical use and management in product and manufacturing, textile Waste (pre-consumer and post-consumer), hazardous waste in manufacturing, Green Public procurement, process control in manufacturing and energy efficiency, future goals through decarbonization, eco-design (durability, recycled content, etc.) labelled for health aspects, labelled with environmental and social aspects, etc.)
6. How does this regulation affect the businesses?
7. Are there any control mechanisms ensuring the compliance of the regulation?
8. Are the requirements from clients (specially from companies) conditioning the production (e.g. need for standards)?

Recommendations

9. In your opinion and based on your experience, what can be done to further support textile and clothing green entrepreneurs in your country?