

ANNEX II: TERMS OF REFERENCE

1. BACKGROUND INFORMATION

This tender procedure is launched in the frame of the *Stand Up!: Sustainable Textile Action for Networking and Development of circular economy business ventures in the Mediterranean* Project funded by ENI CBCMED Programme.

Stand Up! project is funded by the **ENI CBC MED Programme**

(<https://www.enicbcmed.eu/projects/stand-up>).

The Project is led by **TEXFOR** – the Spanish Textile Industry Confederation (Spain, Cataluña).

Other Project's Partners (PPs) are:

- **ARC** – Waste Agency of Catalonia (Spain, Catalunya);
- **BTF** – Berytech Foundation (Lebanon);
- **SEKEM** – SEKEM Development Foundation (Egypt, Ash Sharquiyah);
- **CETTEX** – Textil Technical Centre (Tunisia, Tunis);
- **PRATO** – Prato Textile Museum Foundation (Italy, Toscana);
- **CITET** – Tunis International Center for environmental Technnologies (Tunisia, Tunis).

The Project's duration is **4 months** (October 2022 - January 2023).

The Stand Up! objective is to design, support textile entrepreneurs and eco-innovative ventures in 5 countries and help them seize the business opportunities that the green evolution will generate. And will benefit:

- Eco-innovative textile and clothing entrepreneurs and enterprises
- Sector aggregators
- Local authorities
- Academic and research institutions
- Local, national and regional public sector organizations
- Relevant intellectual property agencies

The ultimate objective of the Project is to carry out such CBC Initiatives together with small and medium companies and BROs and finally establish new Euro-Mediterranean Alliances

1.1 Beneficiary countries: Spain (country of the Lead Beneficiary) and: Lebanon, Tunisia, Egypt, Italy.

1.2 Contracting authority: TEXFOR, Confederación de la Industria Textil - C/Sant Quirze, 30 - 08201 Sabadell

1.3 Involved countries background and current situation in the sector:

Textile and clothing have a long tradition in the Euro-Mediterranean countries. The manufacture and the export of textile and clothing products, as the second most-traded goods (after oil and gas) and a priority sector in the region, are a factor in economic development and political stability in the Mediterranean partner countries.

After a period of austerity, South European Mediterranean countries (Spain, Italy and Greece) were significantly improving their economies in the latest years (2017/2018). In 2019 their growth is

slowing down either for external impacts (decrease of international commerce) and/or for internal reasons (in Italy particularly). Within these general economic conditions, the issues related to environment have increased momentum. Consequently, T/C companies are focusing on specializations that strengthen their competitive advantages in the international arena adding to them efforts for innovation in materials, applications as well as for including the T/C sector in circular economy. In the Mediterranean Partners Countries, T/C companies are trying to consolidate competitive advantages either by strengthening their ties with international partners and by improving their technology and marketing capacities and capabilities.

The T/C scenario has deeply changed in the latest years. The new challenges come from advanced countries for high performances/added value productions. Novelties (technical textiles), digitalization, Industry 4.0 are creating an innovation gap for the MSB T/C industry. The weakness in innovation combined with the usual cost competition from Asian countries put the T/C EuroMed sector in a Scylla/Charybdis situation.

Moreover, the current COVID-19 pandemic is modifying the global scenario of the T/C industry and the resulting severe economic crisis is seriously affecting the T/C enterprises, both on the Northern and Southern rims of the Mediterranean.

For more details, see <https://www.enicbcmmed.eu/projects/stand-up>

2. OBJECTIVE & EXPECTED RESULTS

2.1 Objective

The general objective of the project is the research, development, and validation of new vegetable skin bioproducts obtained from grape residues.

The specific objectives of the project are the following:

- Identify the components of vegetable skin formulations compatible with grape residues and environmentally friendly.
- To carry out concept tests of preliminary formulations using different types of bio-resins and grape residues.

2.2 Results to be achieved by the contractor

- Deliverables:
Vegetable skin formulations, component selection report and proof-of-concept testing results.
- Milestones:
Preliminary formulations of vegetable skin obtained from grape residues.

3. SCOPE OF THE WORK

4.1 General

4.1.1 Geographical area to be covered: Spain, Italy, Tunisia, Egypt, and Lebanon

4.1.2 Target groups:

Potential applicants to the project's CBC initiatives, i.e. companies (startups, micro, small and medium enterprises) and Business Representative Organizations from the textile and clothing sector of the involved countries

4.2 Specific work

Starting from a script provided by TEXFOR, the request is to carry out an investigation of commercially available polymers of biological and/or biodegradable origin (biopolymers) applicable as resins in vegetable skin formulations based on grape residues. In addition, dispersant additives will be selected to make these bio-resins compatible with grape residue particles, mainly based on lignin, cellulose, hemicellulose, polyphenols, tannins, inorganic compounds, etc. Also provide:

- Vegetable skin formulations component selection report and proof-of-concept testing results
- formulations of vegetable skin obtained from vegetable residues

Image, templates as well as any other material or document produced in the frame of this assignment shall comply with ENI CBCMED Communication and Visibility Guidelines annexed to these Terms of Reference.

4.3.1 Responsible body:

The responsible body for the management of this assignment is TEXFOR.

5. LOGISTICS AND TIMING

5.1 Location:

Spain

5.2 Start date & period of implementation:

The assignment will start upon contract's signature and shall be concluded by January 2023.

6. REQUIREMENTS

6.1 Staff

Note that civil servants and other staff of the public administration of the beneficiary country cannot be proposed as experts, unless prior written approval has been obtained from the European Commission.

All experts must be independent and free from conflicts of interest in the responsibilities they take on.

6.1.1 Key experts

Key Expert 1: Technical developer

6.2 Office accommodation and Facilities to be provided by the contractor

The expert is supposed to work at his/her own premises. In any case, the costs of the office accommodation are to be covered by the contractor.

6.3 Equipment

No equipment is to be purchased on behalf of the contracting authority / partner country as part of this service contract or transferred to the contracting authority / partner country at the end of this contract. Any equipment related to this contract that is to be acquired by the partner country must be purchased by means of a separate supply tender procedure.

7. REPORTS

7.1 Reporting requirements

Each invoice of the Contractor shall be accompanied by a detailed description of the services rendered in the period.
