

January 2024

## Edito

### Best Wishes for a Successful Year 2024!

By Corinne FARACE, CEO of Techtera



**In this New Year 2024, we would like to send you our warmest wishes for success and innovation.**

May this year be synonymous with progress and dynamism for our sector, which has a rich history and looks forward to a great future.

Within our innovation cluster, may you continue to forge fruitful links between those working in the textile sector and those in other fields. This will strengthen our united power to meet the challenges that arise. May every thread of our collaboration contribute to reinforcing the strong and resilient fabric of our industry.

Let us continue our efforts to promote responsible and environmentally friendly practices, thus contributing to the construction of a sustainable and ethical textile industry. Together, let us meet the challenges of digital transformation and optimisation of processes. May our competitiveness cluster remain a catalyst for innovative ideas, an incubator for promising projects, and reinforce the possibilities for bringing innovations on to the market.

In 2023, there were twenty-seven R&D projects financed for the sum of nearly €70 million. These projects include seven European projects and seven support missions to international markets. These figures attest to our ability to innovate, to meet challenges and to maintain a level of excellence that positions us as a benchmark within the textile industry. At the same time, the change in our visual identity, with a complete overhaul of our graphic charter, symbolises our desire for modernisation and renewal.

Le retour de veille de ce voyage sera bientôt diffusé par Techtera à tous ses adhérents sur demande.

# Focus

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## Selection of 3 French textile companies for the 2nd EuroBoostEX call for projects

EuroBoostEX has selected 12 proposals, involving 24 SMEs for the second "Innovate Boost in Consortia" grant call from 40 eligible proposals from 10 European countries.

Consortia composition take one of the following forms:

- A consortium consisting of two textile SMEs.
- A consortium that includes one Textile SME and one Advanced Manufacturing SME.

### Discover the 12 winning projects in consortia:

- **DOLLFUS & MULLER / Energiency (France)**  
[Reducing the energy footprint of textile and tannery felts](#)  
Through the implementation of an analytical tool, Dollfus & Muller aims to identify areas for improvement, optimize resource utilization, and make informed decisions that align with its overarching sustainability goals.
- **NOOSA / PHENIX SPORT (Belgium/France)**  
[A sock that never dies](#)  
R-SOCK is a collaborative project between NOOSA™ and NOLT, seeking to redefine the sport socks industry by applying circularity to this product. It will set a model for other sectors and contributing to government policies supporting sustainable initiatives.
- **TRITURATS LA CANYA / Augusto Bellini (Spain)**  
[Eco-friendly full traceability fiber markers](#)  
The project consists of developing a technical prototype of a traceability solution for textile fibers.
- **PAFIL – Confecções / TECH4MED (Portugal)**  
[Eco-friendly flame-retardant textile as a first layer protection](#)  
The project's primary goals are to create an eco-friendly first layer of clothing for professional firefighters, ensuring safety, comfort, and environmental responsibility in textile manufacturing.
- **Aznar Textil / HILATURAS MIEL (Spain)**  
[Photocatalytic and decontaminating acrylic outdoor fabric](#)  
This consortium aims to develop outdoor fabrics solution dyed acrylic (sda) with photocatalytic and decontaminating capacity with high light fastness.
- **Technoplants / Trafi Creatività Tessile (Italy)**  
[Automatic sorting of textiles for recycling and creation of new non-woven products](#)  
The main objective is the development of an automatic system for the processing of textile waste, to sort and form homogenous material categories able to favour the subsequent reuse/recycling.
- **POLISILK/ Sensing Tex (Spain)**  
[Development of an intelligent textile cushion for horse riding](#)  
The project Sensing Horse introduces the Sensing Horse smart textile pad, enhancing horseback riding and horse welfare with a focus on data security, advanced textiles, and seamless cloud integration.

- **Hilaturas Ferre / Recover Textile Systems (Spain)**  
 Post-consumer recycling: sustainable mode, reinforced European regulatory compliance  
 In response to demands from the fashion sector and to boost compliance with European Waste regulations, the PCW2Fashion project aims to develop a collection of innovative yarns from post-consumer waste that would enable circularity programmes to be offered to retailers.
- **Malhas Queiroga / MACWIN-TEK (Portugal)**  
 Process digital transition  
 With this project, Malhas Queiroga Lda aims to develop a software that may allow a 3 levels overview (operational, technical and strategic) of the chain value involved in its process.
- **Bromas-Log / Kinema (Italy)**  
 Prototype textile creel with magnetic power supply  
 The goal of the project is to design, create, and test a prototype of an innovative creel for the textile industry equipped with a new magnetic feeding system.
- **TEARFIL - INDÚSTRIA TÊXTIL / IOTECHPIS (Portugal)**  
 Smart Platform for LCA management  
 The primary goal of the project is to use software development and digital resources to track energy expenses related to manufacturing orders and calculate carbon footprints for the LCA of textile yarns.
- **MLS Textiles 1992 / Tecnologías Dim (Spain)**  
 Transforming the Technical Sportswear Textile Industry through Digital Innovation.  
 TEX3D Eco-Design is an innovative initiative focused on the research and development of an Advanced Process Design and Manufacturing Management System, taking advantage of technologies such as Virtual Reality (VR) and Digital Twins.

The funding granted is aimed at supporting the adoption of processes and technologies by SMEs to ensure greater sustainability and/or connectivity in their value chain.

A sum of €60,000 per project in a consortium of 2 SMEs, i.e. €30,000 per SME, will be allocated to the winners.

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## Our services

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### AlpTextyles events: Dyes based on natural materials & The living heritage of textiles in the Alps

If innovation aims to imagine and create the future of an industrial sector, can it find its inspiration in its history and heritage? Can the textile heritage be a driving force for sustainability?

As from the beginning of 2023, Techtera and the partners of the European AlpTextyles project have been looking into these questions. A major strategy of the project is to develop and consolidate knowledge concerning the textile heritage of the Alpine region, covering six countries: France, Italy, Switzerland, Slovenia, Germany and Austria.

AlpTextyles is as much interested in the industrial aspect as in textile craftsmanship. It covers a large part of what constitutes the heritage of this sector: know-how, materials, value chains,

those working in the ecosystem, the communities, aesthetic and cultural issues. The project also addresses consumer perceptions, and especially their perception of Alpine products.

For three years, the twelve partners of the AlpTextyles project will establish possible links between the textile heritage, the response to environmental issues, the optimisation of local resources, and the creation of value. This with a view to relocation and greater sustainability through more virtuous practices and lifestyles.

Here, at the beginning of 2024, two events have been being organised as part of AlpTextyles:

- 24 January: an Innovation Workshop on the theme of dyes based on natural materials
- 12 March: AlpTextyles – Research day: the living textile heritage of the Alps, the roots to a circular and sustainable future

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## They are new members

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### NOOSA

NOOSA™ is a Belgian start-up producing bio-sourced textile fibre, which it makes circular thanks to NOOCYCLE™ recycling technology.

Made from sugar, NOOSA™ fibre is 100% recyclable thanks to its patented recycling process, which makes it possible to separate NOOSA™ fibre from any other component (mixtures, additives, dyes, etc). Thus, it promotes the revaluation of textile waste, at post-industrial, pre-consumer and post-consumer levels.

NOOSA™ offers textile manufacturers an innovative material with numerous properties (breathability, low flammability, etc). Its use guarantees high-performance products designed to last, bio-sourced and recyclable.

**Website:** <https://www.noosafiber.com/>



### WOODOO

**Woodoo** develops augmented wood materials with a low carbon footprint for various applications. It has developed a delignification process, which is the result of experimental research, and crowned with numerous patents. It transforms wood into high-performance technological materials with a unique appearance.

Thanks to its technology, the result obtained is a durable material with the transparency of glass, the strength of metal or the flexibility of leather, depending on the desired application. Woodoo biomaterials are innovative substitutes for the materials most commonly used in industry (plastic, glass, aluminium, concrete, etc).

SOLID is an alternative, which is just as efficient and is lightweight, robust and responsible technology. Its structure, based on a molecular transformation, offers the building sector a solution that has high mechanical strength and dimensional stability.

Woodoo has two other product ranges:

- FLOW is a new 90% biomaterial that combines flexibility and eco-responsibility. Carbon footprint 21 times less than leather while saving 61% of water in the process.
- SLIM is a translucent wood. This is ideal for wall panels for the retail trade; also, for interior design projects.

**Website:** <https://woodoo.com>

## Your appointments with the cluster

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### **February 22, 2024 : Competitiveness workshop and micro-show: circularity in composites, textiles and wood (final event of the REC-N-COMP project) - FRANKFURT – GERMANY**

Join us at the Circular Materials Center in Kortrijk on 22 February 2024 for the final event of the REC-N-COMP project on the recycling, reuse and circularity of composites, wood and textiles.

Discover circular business models, sustainable bonding technology and internationalisation opportunities.

Be inspired by innovative companies and develop your network at a half-day trade fair.

The event will include a dinner, and is open to any member company of one of the project partners, including Techtera.

[Inscription & programme](#)

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### **Februray 23, 2024 : Presentation of Calimero results - Techtera - 91b chemin des Mouilles – 69 130 ECULLY**

In response to the growing demand for environmental transparency, several European countries, including France, having already adopted the AGEC law (*anti-waste law for a circular economy*). They are considering the environmental labelling of products. To standardise assessment methods, the European Commission published a guide in 2021. This standardises the Life Cycle Analysis (LCA) calculations, and defines sixteen impact categories. However, biosourcing experts note problems with these methods, especially with regard to products of biosourced origin, where the current method does not take into account the storage of carbon by plants. This has a real effect on the accuracy of the results.

Faced with this fact, the CALIMERO consortium was created as part of the European project “Horizon Europe” (July 2022-June 2025). It aims to identify the shortcomings of current methods in five industrial sectors, including textiles, as regards modelling real processes. It proposes optimisation with particular attention to the progressive nature of greenhouse gas emissions.

The final objective is to re-evaluate the processes with an “enriched” LCA method to propose sectors that more sustainable.

The first results will be presented during an Innovation Workshop one year after launch of the project.

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## **March 22, 2024 : AlpTextyles – Research day: the living textile heritage of the Alps, the roots to a circular and sustainable future** - Hôtel de région - 101 cours Charlemagne, 69002 LYON

As part of the European project [AlpTextyles](#), Techtera is co-organizing a research day hosted by the [Auvergne-Rhône-Alpes Region](#) on the subject of Alpine textile heritage.

This day will provide an initial update on the project's progress and will notably present the results of the mapping of Alpine textile heritage, covering know-how, aesthetics, consumer perception, and the cultural dimension of Alpine textiles. The full program will be published soon.

Join us for a journey centered around circularity, collaboration, and innovation. Explore AlpTextyles, a project co-financed by the EU, and immerse yourself in the mappings of the sector as well as textile value chains in the Alps.

Participation in this event is free, and registrations will open soon. As the number of seats is limited, you can already inform us of your interest by email.

A networking lunch and an exhibition space will be organized alongside the day's conferences. The event will be held under the patronage of Laurent Wauquiez, President of the Auvergne-Rhône-Alpes Region.

This event will be conducted in both French and English, with simultaneous translation.

Website: <https://www.alpine-space.eu/project/alptextyles/>

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## **April 23-26, 2024 : Techtexsil trade show (Technical textile) - KORTRIJK BELGIUM**

Techttextil is the worldwide event for the technical and nonwoven textiles sector. It will take place from April 23 to 26, 2024 in Frankfurt.

Every two years, the show attracts more than 1,500 exhibitors – 46 countries are represented.

During the last edition, Techtera accompanied 30 firms and thus represented the first French delegation to the show – 360 m<sup>2</sup>. On average per participant, the firms made 64 qualified contacts. This first French delegation to the show, with 360 m<sup>2</sup>, resulted in 87% participant satisfaction.

In partnership with Business France, Techtera will once again be present to support French companies in the sector and optimise their participation, thanks to:

- Market support prior to the show
- Participation in the French pavilion cocktail
- Organisational support
- Many targeted communication actions to highlight the know-how of the participants

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# Life of the members

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## The UIT and Textil'IA launch a “Textile Traceability System”

The UIT (*Union of Textile Industries*) and Textil'IA, a digital start-up in the sector, are working together to develop a traceability system for the textile sector.

ODITH is an accessible, scalable and modular solution that adapts to the level of digitalisation and the ambitions of each enterprise in the sector.

ODITH collects, centralises and simplifies information relating to product traceability. This will then become essential to enable companies to comply with the new laws (particularly the AGEC “*anti-waste*” law), to prepare for the implementation of environmental labelling and the DPP (Digital Product Passport).

Each enterprise will be able to store key information about its products and its firm and simply share it with their partners, customers and suppliers: Labels, certificates, origin of product manufacturing stages, societal and environmental data. The aim is to develop an easy to use and accessible system, allowing firms to save time in entering and searching for traceability information.

Around fifty Beta Testing companies will be chosen to test the system for a period of 6 months.

**Website:** <https://www.sulitec.com/>



## Accord de collaboration entre le DITF et Saint-Gobain sur les fibres céramiques

At the end of 2023, Ecollant launched its Lab brand called “Révélation”.

A true Beta Tester, the Révélation brand aims to integrate the recycled yarn produced by Ecollant in order to become an eco-designed textile brand, using recycled, collectable and recyclable material.

In the short term, Révélation will unveil the “[Imperméabilis Collection](#)”. This collection is entirely produced on French territory, from revalued materials in which each piece is inspired by a natural element.

A unisex collection will be available in multi-brand stores in major cities from February 2024. It can also be found online via the site <https://revelation-mode.fr/> or the social networks: @revelation.mode.

**Website:** <https://www.ditf.de/en/>

# Calls for projects

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## EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

LIFE Programm - *More information:* [here](#)

Horizon Europe - *More information:* [here](#)

European Defence Fund - *More information:* [here](#)

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## CART'TEX

**Call for applications for the CART'TEX chart (reserved for TECHTERA members)**

Textile companies wishing to join "CART'TEX", the chart of textile skills created by TECHTERA, can make themselves known to Issam CHAOUKI.

**The CART'TEX database is the daily tool of the cluster for managing the search for partners for all projects, and for the response to business opportunities.**

Contact: [ichaouki@techtera.org](mailto:ichaouki@techtera.org)

## Techtera

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